BRUHAT BANGALORE MAHANAGARA PALIKE

TENDER DOCUMENT – KW4

TENDER DOCUMENT

Name of the Work: Comprehensive development by providing ornamental grill, pathway, shelter to GYM equipments, Children play equipments, new gazebo and repairs and additional works for sports complex in Madiwala and overall development of parks and playground in BTM Layout Constituency.

Office of the Executive Engineer
Project South
South Zone office complex
9th main, 9th cross,
Jayanagara 2nd block, Bengaluru - 560011
Contact No: 080-22975713
Email: eeprojectsouth@gmail.com

B R U H A T B A N G A L O R E M A H A N A G A R A P A L I K E

Office of the Executive Engineer
Project South Division
South Zone Office Complex 1st floor, 9th Main,
9th Cross, Jayanagara 2nd Block, Bangalore -11

Telephones: 080-22975713

TENDERS FOR THE WORK OF

Comprehensive development by providing ornamental grill, pathway, shelter to GYM equipments, Children play equipments, new gazebo and repairs and additional works for sports complex in Madiwala and overall development of parks and playground in BTM Layout Constituency.

TENDER REFERENCE	:**EEP(S)/E-Procu/13/2023-24** **Date:06-11-2023**
PRE BID MEETING	: **18-11-2023 at 4.00 P.M**
PLACE OF PRE BID MEETING	: **Executive Engineer (Project-South)** **Zonal** **BBMP office Complex,** **1st floor,** **9th main road, 9th** **block ,** **Jayanagara 2nd Block,** **Bangalore** **-11**
LAST DATE AND TIME FOR SUBMISSION OF TENDERS	**Date: 06-12-2023 up to 4.00 P.M.**
TIME AND DATE OF OPENING OF TECHNICAL BID	**Date: 08-12-2023 at 4.30 PM.**
PLACE OF OPENING OF TECHNICAL BID	**Executive Engineer Project (South)**

	Jayanagara 2nd block, Bangalore- 560011.
TIME AND DATE OF OPENING OF FINANCIAL BID	**Date : 11-12-2023 at 4.00 PM or After Technical bid approval.**
PLACE OF OPENING OF FINANCIAL BID	**Executive Engineer Project (South) Jayanagara 2nd block, Bangalore- 560011.**
ADDRESS FOR COMMUNICATION	**Executive Engineer Project (South) Jayanagara 2nd block, Bangalore- 560011. Contact No: 080-22975713 Email eeprojectsouth@gmail.com**

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SECTION 1: INVITATION FOR TENDERS (IFT)

BRUHAT BANGALORE MAHANAGARA PALIKE
Office of the Executive Engineer, (Project South) Division
South Zone Office Complex 1st floor, 9th Main, 9th Cross,
Jayanagara 2nd Block, Bangalore -11
Email: eeprojectsouth@gmail.com

EEP(S)/E-Procu/13/2023-24 Date:06-11-2023

INVITATION FOR TENDER
(IFT)
Through GOK e-Procurement Portal
TWO COVER SYSTEM

1. The Executive Engineer, Project South, BBMP, invites tenders on behalf of the commissioner, BBMP, Bengaluru from eligible

Tenderers for the construction of works detailed in the table below. The tenderers may submit tenders for works given in the table through e-procurement portal of the Government of Karnataka **https://kppp.karnataka.gov.in,** The Tenderers are advised to note the minimum qualification criteria specified in Clause 3 of the Instructions to Tenderers to qualify for award of the contract.

2. Tender documents may be downloaded from the **https://kppp.karnataka.gov.in,** portal of the Government of Karnataka.
3. Tenders must be accompanied by Earnest Money Deposit specified for the work in the table below. Earnest money deposit will have to be in any one of the forms as specified in the Tender document and shall have to be valid for 45 days beyond the validity of the tender.
4. Tenders must be submitted online through e-procurement portal on or before **16.00** hours on **06-12-2023** and the opening of tenders will be as per the e-procurement portal guidelines.
5. Other details can be seen in the tender documents.

Table

Sl. No.	Name of Work	Approx. Amount put to tender (Rs. In Lakh)	EMD amount in Rs.	Cost of tender form Rs. (Non-refundable inclusive of all Taxes)	Period of completion (Including monsoon)
1	**Comprehensive development by providing ornamental grill, pathway, shelter to GYM equipments, Children play equipments, new gazebo and repairs and additional works for sports complex in Madiwala and overall development of parks and playground in BTM Layout Constituency.**	**750.00**	**Rs 11,25,000/- (Rs.1,00,000/ - through e-portal and Rs. 10,25,000/ through BG)**	**e-procurement portal**	**09 month**

Calendar of Events

1. Pre bid meeting will be held at the Office of the **Executive Engineer (Project-South) 18-11-2023 at 4.00 P.M**.

2. Last Date & Time for receipt of tenders is **up to 4.00 P.M**.
3. Technical Bid opening date: **08-12-2023 at 4.30 PM.**
4. Financial Bid opening date : **11-12-2023 at 4.00 PM** or After Technical bid approval.

Note:-

1. Pre bid meeting will be held of **18-11-2023 at 16.00 hours in the office of the Executive Engineer (Project-South), 1st floor, 9th main, 9th cross, Jayanagara 2nd block, Bangalroe-560011** to clarify the issue and to answer questions on any matter that may be raised at that stage as stated in "Instruction to Bidders" of the bidding document.
2. Any corrigendum/addendum will be published in the E-Procurement portal only.
3. Tender Conditions as per Tender Document.
4. GST shall be paid to the tendered amount separately.
5. Technical Bids will be opened on the website https://kppp.karnataka.gov.in, in the office of the Executive Engineer, Project (South) on **08-12-2023 at 16.30 hours.**
6. Aspiring Bidders/Contractors who have not registered in e-procurement should register before participating through the website https://kppp.karnataka.gov.in,
7. Before submission of online bids, bidders must ensure that scanned copies of all the necessary documents have been attached with bid.
8. All the required information required for Bids must be filled and submit online.
9. For details, registration and e-payment visit GOK website https://kppp.karnataka.gov.in, or contact e-Procurement Helpdesk at 080 – 22441076.
10. This tender notice can also be seen on the BBMP website www.bbmp.gov.in

General Conditions.

1. Tender documents may be downloaded from Government of Karnataka website **https://kppp.karnataka.gov.in,** under login for Contractors. Aspiring Bidders/Contractors who have not registered in e-procurement should register before participating through the website **https://kppp.karnataka.gov.in,**
2. For details, registration and e-payment visit GOK website **https://kppp.karnataka.gov.in,** or contact e-Procurement Helpdesk at 080 – 25501216 / 25501227

3. The Bruhat Bangalore Mahanagara Palike reserves the right to accept / reject any or all the Tenders without assigning any reasons.
4. Further Details of the work and drawings can be obtained from the Office of the Executive Engineer, Project (South), BBMP, Bangalore – 560011, Phone No: 080 22975713 The Tender Notification along with Blank Tender Form will be accessible in the website of GOK Platform **https://kppp.karnataka.gov.in,** website.
5. No Joint Venture / Consortium are permissible.
6. **The Tender is a Two Cover System.**
7. Bidders/Contractors Should attaches all the Scanned copies of technical documents/certificates pertaining to their eligibility criteria mentioned as per the KW in the website itself, failing which, the bid will not be considered. (Technical Bid). The original documents should be produced for verification at any stage of tender process as and when sought for, failing which, the bids are liable for disqualification.
8. No Escalation of prices will be allowed under any circumstance.

Sd/-

Executive Engineer

Project South

Copy to :

1. P S to Administrator to bring into the notice of the Administrator.
2. P S to Chief Commissioner to bring into the notice of the Commissioner.
3. Special Commissioner (Projects) for kind information.
4. Zonal Commissioner (South) for kind information
5. Joint Commissioner (South) for kind information
6. Engineer – in – Chief for kind information.
7. Chief Engineer (South) for kind information.
8. Chief Engineer East/West/Project-Central/ Road Infrastructure/ Lakes/ Rajarajeshwari Nagar / Bommanahalli /Dasarahalli /Mahadevapura /Yelahanka / SWD for kind information.
9. Superintending Engineer(South)/ East/West/South/Road Infrastructure/ Projects / Rajarajeshwari Nagar/Bommanahalli/ Dasarahalli /Mahadevapura / Yelahanka for kind information.
10. CAO / Chief Auditor for kind information.
11. I T. Advisor with a Request to publish the same in the BBMP Website.
12. All Executive Engineers with a Request to publish the same in the Display / Notice Boards.
13. Accounts Superintendent / Cashier for information for necessary action.
14. Public Relation Officer, BBMP for information and to publish in two leading Newspapers in Kannada and English.

15. Notice board Office Copy

Executive Engineer

Project South

SECTION 2: INSTRUCTIONS TO TENDERERS (ITT)

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A. General

1. Scope of Tender

1.1 The **Executive Engineer (Project South Layout**) (Referred to as Employer in these documents) invites tenders following Two Cover tender procedure, from eligible Tenderers, for the construction of works **Comprehensive development by providing ornamental grill, pathway, shelter to GYM equipments, Children play equipments, new gazebo and repairs and additional works for sports complex in Madiwala and overall development of parks and playground in BTM Layout Constituency.** (as defined in these documents and referred to as "the works") detailed in the Table given in the Invitation for Tenders (IFT). The Tenderers may submit tenders for any or all of the works detailed in the table given in IFT.

2. Eligible Tenderers

2.1 Tenderers shall not be under a declaration of ineligibility for corrupt and fraudulent practices issued by the Government of Karnataka / BBMP

2.2 **Tenders from Joint ventures are not acceptable.**

3. Qualification of the Tenderer:

3.1 All Tenderers shall provide the requested information accurately and in sufficient detail in Section 3: Qualification information.

3.2 To qualify for award of this contract, each Tenderer in its name should have in the last five years (i.e. 2018-19 to 2022-23)

(a) achieved in at least two financial years a minimum financial turnover (in all classes of civil engineering construction works only) of **Rs 1500.00 Lakhs** *(usually not less than two times the estimated annual payments under this contract)*

(b) satisfactorily completed (at least 50% of the contract value) as prime contractor, at least one similar work such as Buildings, Parks & Play grounds works of value not less than **Rs.375.00 Lakhs.**

(c) executed in any one year, the following minimum quantities of work:[1]

S l No	Item	Unit	Required Minimum Qty
1	Size Stone Masonry	Cum	396.27
2	Concrete of all grades	Cum	278.32
3	Steel work	kgs	176530.09
4	Wet Mix Macadam	Cum	254.91
5	Cobblestone Pavers	Sqm	1390.68
6	Kerbs	No	1224.00
7	Cement Concrete designer Tiles	Sqm	207.36

*(usually not less than 80% of the peak annual rate of construction)**

(d) The Tenderer or his identified sub-contractor should possess required valid electrical license for executing building electrification works and should have executed similar electrical works totaling *(usually not less than 50% of the electrical works)** in any one year;[2] if in case

[1] Specify the principal items of works to be executed under this contract
[2] This is for building works. Appropriately change for other works.

(e) The Tenderer or his identified sub-contractor should possess valid license for executing water supply/sanitary engineering works and should have executed similar water supply/sanitary engineering works totaling Rs…… (*usually not less than 50% of the water supply/sanitary engineering works)** in any one year;[3]

(f) To consider for the technical evaluation the bidder should obtain 85 & above marks while scrutinizing the tender document failing to obtain the necessary marks. the bidder will disqualified from technical bid.

3.3 Each Tenderer should further demonstrate:

(a) Availability by owning the required / specified key and critical equipment for this work and the remaining can be deployed on lease / hire basis for all works provided the relevant documents (commitment agreements etc.) for availability for this work are furnished.

S l No.	**Own**	**Nos**	**Ownership**
1	JCB	2	1 Own/01 Lease
2	Tipper	2	02 Own
3	Crane	1	Own/Lease
4	Water Tanker	3	1 Own/ 2 Lease
5	Plate vibrator with 3 tonne compaction force	1	Own/Lease
6	Concrete mixer machine	1	Own
7	Needle vibrator	2	Own

(b) liquid assets and /or availability of credit facilities of not less than **Rs 225.00 lakhs** (Credit lines/ letter of credit/ certificates from banks for meeting the fund requirement etc. *(usually the equivalent of the estimated cash flow for three months in the peak construction period)**

3.4 To qualify for a package of contracts made up of this and other contracts for which tenders are invited in this IFT, the Tenderer must demonstrate having experience and resources to meet the aggregate of the qualifying criteria for the individual contracts.

3.5 Sub-contractors' experience and resources shall not be taken into account in determining the Tenderer's compliance with the qualifying criteria except to the extent stated in 3.2 (d) and (e) above.

[3] This is for building works. Appropriately change for other works.

3.6 Tenderers who meet the above specified minimum qualifying criteria, will only be qualified, if their available tender capacity is more than the total tender value. The available tender capacity will be calculated as under:

Assessed available tender capacity = (A*N*1.5 - B)

where

A = Maximum value of civil engineering works executed in any one year during the last five years *(updated **2021-2022** price level)* taking into account the completed as well as works in progress.

N = Number of years prescribed for completion of the works for which tenders are invited.

B = Value, at **2023-*2024*** price level, of existing commitments and on-going works to be completed during the next **9 (Nine) Months**. *(period of completion of the works for which Tenders are invited)**

Note: *The statements showing the value of existing commitments and on-going works as well as the stipulated period of completion remaining for each of the works listed should be countersigned by the Employer in charge, not below the rank of an Executive Engineer or equivalent.*

3.7 Even though the Tenderers meet the above criteria, they are subject to be disqualified if they have:

- made misleading or false representations in the forms, statements and attachments submitted in proof of the qualification requirements; and/or
- record of poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.; and/or
- participated in the previous Tender for the same work and had quoted unreasonably high tender prices and could not furnish rational justification.

4. One Tender per Tenderer:

4.1 Each tenderer shall submit only one tender for one package. A tenderer who submits or participates in more than one Tender (other than as a sub-contractor or in cases of alternatives that have been permitted or requested) will cause all the proposals with the Tenderer’s participation to be disqualified.

5. Cost of Tendering:

5.1 The tenderer shall bear all costs associated with the preparation and submission of his tender, and the Employer will in no case be responsible and liable for those costs.

6.1 Site visit:The Tenderer at his own responsibility and risk is encouraged to visit and examine the Site of Works and its surroundings and obtain all information that may be necessary for preparing the Tender and entering into a contract for construction of the Works. The cost of visiting the Site shall be at the Tenderer's own expense.

B. Tender documents

7. Content of Tender documents

7.1 The set of tender documents shall have all the Sections given in Page 2:

7.2 Both the sets should be completed and returned with the tender.

8. Clarification of Tender Documents

8.1 A prospective tenderer requiring any clarification of the tender documents may notify the Employer in writing or by cable (hereinafter "cable" includes telex and facsimile) at the Employer's address indicated in the invitation to tender. The Employer will respond to any request for clarification which he receives earlier than 15 days prior to the deadline for submission of tenders. Copies of the Employer's response will be forwarded to all purchasers of the tender documents, including a description of the enquiry but without identifying its source.

8.2 **Pre-tender meeting:**

8.2.1 The tenderer or his authorized representative is invited to attend a pre-tender meeting which will take place at **Office of the Executive Engineer Project South, South Zone office complex, 9th main, 9th cross, Jayanagara 2nd block, Bengaluru - 560011 on 18-11-2023 at 4.00 P.M**

8.2.2 The purpose of the meeting will be to clarify issues and to answer questions on any matter

that may be raised at that stage

8.2.3 The tenderer is requested to submit any questions in writing or by cable to reach the Employer not later than one week before the meeting.

8.2.4 Minutes of the meeting, including the text of the questions raised (without identifying the source of enquiry) and the responses given will be transmitted without delay to all purchasers of the tender documents. Any modification of the tender documents listed in Sub-Clause 7.1 which may become necessary as a result of the pre-tender meeting shall be made by the Employer exclusively through the issue of an Addendum pursuant to Clause 9 and not through the minutes of the pre-tender meeting.

8.2.5 Non-attendance at the pre-tender meeting will not be a cause for disqualification of a tenderer.

9. Amendment of Tender documents

9.1 Before the deadline for submission of tenders, the Employer may modify the tender documents by issuing addenda.

9.2 Any addendum thus issued shall be part of the tender documents and shall be communicated in writing or by cable to all the purchasers of the tender documents.

9.3 To give prospective Tenderers reasonable time in which to take an addendum into account in preparing their tenders, the Employer shall extend as necessary the deadline for submission of tenders, in accordance with Sub-Clause 16.2 below.

C. Preparation of Tenders

10. Documents comprising the Tender

10.1 The tender submitted by the Tenderer shall be in two covers and shall contain the documents as follows:

10.1.1 First Cover:

(a) Earnest Money Deposit;

(b) Qualification Information as per formats given in Section 3;

10.1.2 Second Cover:

(a) The Tender (in the format indicated in Section 4)

(b) Priced Bill of Quantities (Section 9);

and any other materials required to be completed and submitted by Tenderers in accordance with these instructions. The documents listed under Sections 3, 4, 6 and 9 shall be filled in without exception.

10.2 Tenderers submitting tenders together with other contracts stated in the IFT to form a package will so indicate in the tender together with any discounts offered for the award of more than one contract.

11. Tender prices

11.1 The contract shall be for the whole works as described in Sub-Clause 1.1, based on the priced Bill of Quantities submitted by the Tenderer.

11.2 The Tenderer shall fill in rates and prices and line item total (both in figures and words) for all items of the Works described in the Bill of Quantities along with total tender price (both in figures and words). **Items for which no rate or price is entered by the Tenderer will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities**. Corrections, if any, shall be made by crossing out, initialing, dating and rewriting.

11.3 GST shall be paid to the tendered amount separately.

11.4 Deleted

12. Tender validity

12.1 Tenders shall remain valid for a period not less than **one hundred eighty (180) days** after the deadline date for tender submission specified in Clause 16. A tender valid for a shorter period shall be rejected by the Employer as non-responsive.

12.2 In exceptional circumstances, prior to expiry of the original time limit, the Employer may request that the Tenderers may extend the period of validity for a specified additional period. The request and the Tenderers' responses shall be made in writing or by cable. A Tenderer may refuse the request without forfeiting his earnest money deposit. A Tenderer agreeing to the request will not be required or permitted to modify his tender, but will be required to extend the validity of his earnest money deposit for a period of the extension, and in compliance with Clause 13 in all respects.

13. Earnest money deposit

13.1 The Tenderer shall furnish, as part of his tender, earnest money deposit (EMD) at the following rates

a) upto Rs.20 Lakhs - 2.5%

b) Rs.20 Lakhs and above upto Rs. 1 crore – 2% subject to a minimum of Rs. 50,000/-

c) Rs.1 crore and above up to Rs.10 crores – 1.5% subject to a minimum of Rs. 2,00,000/-

d) Rs.10 crores and above – 1% subject to a minimum of Rs.15,00,000/-.

e) Fixed Deposit Receipt (FDR) subject to the following condition

• Maturity date of FDRs issued by the Bank should be beyond the date expected date of finalization of the tender.

Earnest money deposit will have to be in any one of the forms as specified in the Tender document and as per circular PWD:15:ITC:2008/2099 Dated:02-12-2010 (Minimum of Rs.1,00,000/- through e-payment under of the following i.e., online / RTGS / NEFT / OTC and the balance by bank guarantee/FDR issued by Nationalized/Scheduled Bank and shall have to be valid for 90 days beyond the validity of the tender.

As per Circular: PWD:15:ITC:2008/2099 Dated:02-12-2010 the Tenderer shall submit the ORIGINAL BG/FDR for Part EMD on Last date of tender, to the office of Executive Engineer Project South, if failed to submit, the bid will be rejected.

13.2 Instruments having fixed validity issued as earnest money deposit for the tender shall be valid for 45 days **beyond** the validity of the tender.

13.3 Any tender not accompanied by an acceptable earnest money deposit and not secured as indicated in Sub-Clauses 13.1 and 13.2 above shall be rejected by the Employer as non-responsive.

13.4 The earnest money deposit of unsuccessful Tenderers will be returned within 30 days of the end of the tender validity period specified in Sub-Clause 12.1.

13.5 The earnest money deposit of the successful Tenderer will be discharged when the Tenderer has signed the Agreement and furnished the required Performance Security.

13.6 The earnest money deposit may be forfeited:

(a) if the Tenderer withdraws the Tender after tender opening during the period of tender validity;

(b) if the Tenderer does not accept the correction of the Tender Price, pursuant to Clause 24; or

(c) in the case of a successful Tenderer, if the Tenderer fails within the specified time limit to

(i) Sign the Agreement; or

(ii) Furnish the required Security deposit

14. Format and signing of Tender

14.1 The Tenderer shall prepare one original and a copy of the documents comprising the Tender as described in Clause 10 of these *Instructions to Tenderers*, and clearly marked "**ORIGINAL**" and "**COPY"** as appropriate. In the event of discrepancy between them, the original shall prevail.

14.2 The original and a copy of the Tender shall be typed or written in indelible ink and shall be signed by a person or persons duly authorized to sign on behalf of the Tenderer. All pages of the

tender where entries or amendments have been made shall be initialed by the person signing the tender

14.3 The Tender shall contain no alterations or additions, except those to comply with instructions issued by the Employer, or as necessary to correct errors made by the Tenderer, in which case such corrections shall be initialed by the person signing the Tender.

D. Submission of Tenders

15. Sealing and marking of tenders

15.1 The Tenderer shall seal the original and a copy of the Tender in separate envelopes, duly marking the envelopes as "**ORIGINAL**" and "**COPY**". These envelopes (called as inner envelopes) shall then be put inside one outer envelope.

15.2 The **inner and outer** envelopes shall

(a) be addressed to the Employer at the following address:

Office of the Executive Engineer Project South,
South Zone office complex, 9th main,
9th cross, Jayanagara 2nd block,
Bengaluru - 560011

(insert address of office for Tender submission), and

(b) bear the following identification:

- Tender for .....[name of contract]
- Tender Reference No.....[insert number]
- DO NOT OPEN BEFORE.....[time and date for tender opening, per Clause 19]

15.3 In addition to the identification required in Sub-Clause 15.2, the inner envelopes shall indicate the name and address of the Tenderer to enable the tender to be returned unopened in case it is declared late, pursuant to Clause 17.

15.4 If the outer envelope is not sealed and marked as above, the Employer will assume no responsibility for the misplacement or premature opening of the Tender.

Note:-

1. The Tenderer shall access Tender Documents, fill them and submit the Completed Tender Document as stated in Clause 10 through Website of https://kppp.karnataka.gov.in itself. The Signed, Sealed and Scanned Copy of all the Documents as stated in Clause 10 shall be attached to the kppp portal Document, failing which the Bid will not be considered. It is the Responsibility of the Tenderer to submit all the Documents pertaining to Eligibility

Criteria / Qualification Information with due diligence. All the Pages of the Document shall be serially numbered with an Index for ready reference.

2. **No Physical Documents shall be considered. However, all the participating Tenderers shall produce all the Original Documents for Verification whenever asked by the Employer.**

16. Deadline for submission of the Tenders

16.1 Tenders must be received by the Employer at the address specified above no later than **06-12-2023 at 16.00 hours** In the event of the specified date for the submission of tenders being declared a holiday for the Employer, the tenders will be received up to the appointed time on the next working day.

16.2 The Employer may extend the deadline for submission of tenders by issuing an amendment in accordance with Clause 9, in which case all rights and obligations of the Employer and the Tenderers previously subject to the original deadline will then be subject to the new deadline.

17. Late Tenders

17.1 Any Tender received by the Employer after the deadline prescribed in Clause 16 will be returned unopened to the Tenderer.

18. Modification and Withdrawal of Tenders

18.1 Tenderers may modify contents of First or Second Covers separately for each Cover or withdraw their Tenders by giving notice in writing before the deadline prescribed in Clause 16.

18.2 Each Tenderer's modification separately for each Cover or withdrawal notice shall be prepared, sealed, marked, and delivered in accordance with Clause 14 & 15, with the outer and inner envelopes additionally marked "**MODIFICATION FOR FIRST/SECOND COVER**" or "**WITHDRAWAL**", as appropriate.

18.3 No Tender may be modified after the deadline for submission of Tenders.

18.4 Withdrawal or modification of a Tender between the deadline for submission of Tenders and the expiration of the original period of Tender validity specified in Clause 12.1 above or as extended pursuant to Clause 12.2 may result in the forfeiture of the earnest money deposit pursuant to Clause 13.

1 8.5 Tenderers may only offer discounts to, or otherwise modify the prices of their Tenders by submitting Tender modifications in accordance with this clause, or included in the original Tender submission.

E. Tender opening and evaluation

19. Opening of First Cover/folder (Technical Part) of all Tenders and evaluation to determine qualified Tenderers:

19.1 The Employer will open online the First Covers of all the Tenders received through e-procurement portal, in the presence of the Tenderers or their representatives who choose to attend on the date and the place specified in the e-procurement portal. In the event of the specified date of Tender opening being declared a holiday for the Employer, the Tenders will be opened at the appointed time and location on the next working day.

19.2 The Tenderers' names, the presence or absence of EMD (amount, format and validity), the submission of qualification information and such other information as the Employer may consider appropriate will be announced by the Employer at the opening.

19.3 The Employer shall prepare minutes of the Tender opening, including the information disclosed to those present in accordance with sub-clause 19.2.

19.4 The Employer will evaluate and determine whether each tender
(a) meets the eligibility criteria defined in ITT Clause 2;
(b) is accompanied by the required EMD as per stipulations in ITT Clause; and
(c) meets the minimum qualification criteria stipulated in ITT Clause 3. The Employer will draw out a list of qualified Tenderers.

20. Opening of Second Cover/folder (Financial Part) of qualified Tenderers and evaluation:

20.1 The Employer will inform all the Qualified Tenderers the time, date and venue fixed for the opening of the Second Cover containing the priced Tenders. The Employer will open online the Second Covers of qualified Tenderers at the appointed time and date (as indicated in the e-procurement portal) in the presence of the Tenderers or their representatives who choose to attend. In the event of the specified date of Second Cover opening being declared a holiday for the Employer, the Second Covers will be opened at the appointed time and location on the next working day.

20.2 The Employer shall prepare minutes of the Second Cover Tender opening.

21. Process to be confidential

21.1 Information relating to the examination, clarification, evaluation, and comparison of Tenders and recommendations for the award of

a contract shall not be disclosed to Tenderers or any other persons not officially concerned with such process until the award to the successful Tenderer has been announced. Any effort by a Tenderer to influence the Employer's processing of Tenders or award decisions may result in the rejection of his Tender.

22 Clarification of Tenders

22.1 To assist in the examination, evaluation, and comparison of Tenders, the Employer may, at his discretion, ask any Tenderer for clarification of his Tender, including breakdowns of unit rates. The request for clarification and the response shall be in writing or by cable, but no change in the price or substance of the Tender shall be sought, offered, or permitted except as required to confirm the correction of arithmetic errors discovered by the Employer in the evaluation of the Tenders in accordance with Clause 24.

22.2 Subject to sub-clause 22.1, no Tenderer shall contact the Employer on any matter relating to its Tender from the time of the Tender opening to the time the contract is awarded. If the Tenderer wishes to bring additional information to the notice of the Employer, it should do so in writing.

22.3 Any effort by the Tenderer to influence the Employer in the Employer’s Tender evaluation, Tender comparison or contract award decisions may result in the rejection of the Tenderers’ Tender.

23. Examination of Tenders and determination of responsiveness

23.1 Prior to the detailed evaluation of Tenders, the Employer will determine whether each Tender; (a) has been properly signed; and; (b) is substantially responsive to the requirements of the Tender documents.

23.2 A substantially responsive Tender is one which conforms to all the terms, conditions, and specifications of the Tender documents, without material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the Tender documents, the Employer's rights or the Tenderer's obligations under the Contract; or (c) whose rectification would affect unfairly the competitive position of other Tenderers presenting substantially responsive Tenders.

23.3 If a Tender is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

24. Correction of errors

24.1 The Tenderer may modify the tender only before the last date for submission of the tender, as indicated on the e-procurement portal.

25. Evaluation and comparison of Tenders

25.1 The Employer will evaluate and compare only the Tenders determined to be substantially responsive in accordance with Clause 23.

25.2 The Employer reserves the right to accept or reject any variation, deviation, or alternative offer. Variations, deviations, and alternative offers and other factors which are in excess of the requirements of the Tender documents or otherwise result in unsolicited benefits for the Employer shall not be taken into account in Tender evaluation.

25.3 The estimated effect of the price adjustment conditions under Clause 40 of the Conditions of Contract, Section 5, during the implementation of the Contract, will not be taken into account in tender Evaluation

25.4 If the tender of the successful Tenderer is seriously unbalanced in relation to the Employer's estimate of the cost of the work to be performed under the contract, the Employer may require the Tenderer to produce detailed price analysis for any or all items of the Bill of Quantities, to demonstrate the internal consistency of those prices with the construction methods and schedule proposed. After evaluation of the price analyses, the Employer may require that the amount of the Performance Security set forth in Clause 29 be increased at the expense of the successful Tenderer to a level sufficient to protect the Employer against financial loss in the event of default of the successful Tenderer under the contract and/or effect pro rata deductions in the running bills so as to cover such amount that would be required to have the remaining work completed should the tenderer fail to complete the work due to acceptance of unbalanced tender .

F. Award of Contract

26. Award criteria

26.1 Subject to Clause 27, the Employer will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender documents and who has offered the lowest evaluated Tender Price, provided that such Tenderer has been determined to be (a) eligible in accordance with the provisions of Clause 2, and (b) qualified in accordance with the provisions of Clause 3.

27. Employer's right to accept any Tender and to reject any or all Tenders

27.1 Notwithstanding Clause 26, the Employer reserves the right to accept or reject any Tender, and to cancel the Tender process and reject all Tenders, at any time prior to the award of Contract, without thereby incurring any liability to the affected Tenderer or Tenderers or any obligation to inform the affected Tenderer or Tenderers of the grounds for the Employer's action.

28. Notification of award and signing of Agreement

28.1 The Tenderer whose Tender has been accepted will be notified of the award by the Employer prior to expiration of the Tender validity period by cable, telex, e-mail or facsimile confirmed by registered letter. This letter (hereinafter and in the *Conditions of Contract* called the "Letter of Acceptance") will state the sum that the Employer will pay the Contractor in consideration of the execution, completion, and maintenance of the Works by the Contractor as prescribed by the Contract (hereinafter and in the Contract called the "Contract Price").

28.2 The notification of award will constitute the formation of the Contract, subject only to the furnishing of Security deposit in accordance with the provisions of Clause 29.

28.3 The Agreement will incorporate all agreements between the Employer and the successful Tenderer. It will be kept ready for signature of the successful Tenderer in the office of Employer within 30 days following the notification of award along with the Letter of Acceptance. Within 20 days of receipt, the successful Tenderer will sign the Agreement and deliver it to the Employer.

28.4 Upon the furnishing by the successful Tenderer of the Performance Security, the Employer will promptly notify the other Tenderers that their Tenders have been unsuccessful.

29. Security deposit

29.1 Within 20 days of receipt of the Letter of Acceptance, the successful Tenderer shall deliver to the Employer a Security deposit in any of the forms given below for an amount equivalent to 5% of the Contract price plus additional security for unbalanced tenders in accordance with Clause 25.5 of ITT and Clause 44 of the Conditions of Contract for all works. :

- Banker’s cheque/Demand draft,/Pay Order in favour of Commissioner BBMP payable at Bangalore or
- A Bank Guarantee in the form given in Section 10; or
- Special Small savings instruments pledged to Commissioner, BBMP / Executive Engineer – South Division, BBMP

29.2 If the security deposit is provided by the successful Tenderer in the form of a Bank Guarantee, it shall be issued either by a Nationalized/Scheduled bank

.

29.3 The security deposit if furnished in cash or demand draft can, if requested, be converted to interest bearing securities at the cost of the contractor.

29.4 Failure of the successful Tenderer to comply with the requirements of Sub-Clause 29.1 shall constitute sufficient grounds for cancellation of the award and forfeiture of the Earnest money deposit.

30 Advance Payment and Security: Deleted

31. Corrupt or Fraudulent practices

31.1 The BBMP requires that the Tenderers/Suppliers/Contractors, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, BBMP:

(a) will reject a proposal for award if it determines that the Tenderer recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;

(b) will declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a BBMP contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a BBMP contract.

31.2 Furthermore, Tenderers shall be aware of the provision stated in sub-clause 50.2 of the Conditions of Contract.

SECTION 3: QUALIFICATION INFORMATION

The information to be filled in by the Tenderer hereunder will be used for purposes of computing Tender capacity as provided for in Clause 3 of the Instructions to Tenderers. This information will not be incorporated in the Contract.

1.1 Constitution or legal status of Tenderer [Attach copy]

Place of Registration
_____

(Attach Copy)

Principal place of business:
_____

1.2 Total value of civil engineering construction **2018-19** .....
works executed and payments received in the last five years **2019-20** .....
(in Rs. Lakhs) Attach Certificate from Chartered Accountant **2020-21** .....

2021-22
.....

2022 - 23
.....

1.3 Work performed as Prime Contractor (in the same name) on works of similar nature over during the five years specified in 1.2 above.

Project Name	Name of Employer	Descrip-tion of Work	Contract Number	Value of Contract Rs. Lakhs	Date of issue of work order	Specified period of completion	Actual date of Actual date of	Remarks explaining reasons for delay in completion of work
1	2	3	4	5	6	7	8	9

1.4 Quantities of work executed as prime contractor (in the same name) during the last five years specified in 1.2 above:

Year	Name of	Name of	Quantity of work performed (cum)[4]	Remarks (Indicate

	Work	Employer				contract reference)
			Cement Concrete	Masonry	Earthworks	
2018-19						
2019-20						
2020-21						
2021-22						
2022-23						

1.5 Information on works for which Tenders have been submitted and works which are yet to be completed as on the date of this Tender.

(A) Existing commitments and on-going works:

Description of Work	Place & State	Contract No. & Date	Name And Address of Employer	Value of Contract (Rs. lakhs)	Stipulated period of completion	Value of works remaining to be completed (Rs. lakhs) Attach Certificates from Engineers –in-Charge	Anticipated date of completion
1	2	3	4	5	6	7	8

(B) Works for which Tenders already submitted:

Description of Work	Place & State	Name and Address of Employer	Estimated value of works (Rs. lakhs)	Stipulated period of completion	Date when decision is expected	Remarks if any
1	2	3	4	5	6	7

[4] Items of work for which data is requested should tally with that specified in ITT Clause 3

1.6. The following items of equipment are considered essential for successfully carrying out the works. The Tenderer should furnish all the information listed below.

Item of Equipment	Requirement[5]		Owned	Owned and available		
	No.	Capacity		Number/ Capacity	Age/ condition	Remarks

1.7 Reports on the financial standing of the tenderer, such as profit and loss statements and auditor's reports for the last five years;

1.8 Qualification and experience of the key technical and management personnel in permanent employment with the tenderer and those that are proposed to be deployed on this contract, if awarded.

1.9. Name, address, and telephone, telex, and fax numbers of the Tenderers' bankers who may provide references if contacted by the Employer.

1.10 Evidence of access to financial resources to meet the qualification requirement specified in ITT Clause3.3 (b): Cash in hand, Letter of Credit etc. List them below and attach certificate from the Banker in the suggested format as under:

[5] The item of equipment, required number and capacity should match with those specified in ITT Clause 3.3 (a)

BANKER'S CERTIFICATE

This is to certify that M/s. ..... is a reputed company with a good financial standing. If the contract for this work, namely ..... (*name of the work)* is awarded to the above firm, we shall be able to provide overdraft/credit facilities to the extent of Rs. ..... to meet the working capital requirements for executing the above contract

Name of the Bank, Senior
Bank Manger with
Signature
Address:
.....

1.11 Proposals for subcontracting components of works amounting to more than 20% of the contract price.

Item of Work	Value of Sub-Contract	Identified Sub-Contractor (Name and address)	Experience of similar work (Attach certificates from the respective Employers.)
1	2	3	4

1.12 Information on litigations in which the Tenderer is involved:

Other Party (ies)	Employer	Details of dispute	Amount involved	Remarks showing present status

1.13 The proposed methodology and program of construction, backed with equipment planning and deployment, duly supported with broad calculations and quality control procedures proposed to be adopted, justifying their capability of execution and completion of the work as per technical specifications within the stipulated period of completion as per milestones.

SECTION 4: FORMS OF TENDER, LETTER OF ACCEPTANCE, NOTICE TO PROCEED WITH THE WORK AND AGREEMENT FORM

Form of Tender

Description of the Works:
……
……
……
(To be filled in by the Employer before issue of the Tender document)

Tender

To : …….

Address …….
……
(To be filled in by the Employer before issue of the Tender document)

GENTLEMEN,

We offer to execute the Works described above in accordance with the Conditions of Contract accompanying this Tender for the Contract Price of ……. *[in figures]* *(*……) *[in letters]*.[6]

This Tender and your written acceptance of it shall constitute a binding contract between us. We understand that you are not bound to accept the lowest or any Tender you receive.

The advance payment required is Rs…….

We undertake that, in competing for (and, if the award is made to us, in executing) the above contract, we will strictly observe the laws against fraud and corruption in force in India namely "Prevention of Corruption Act 1988".

[6] To be filled in by the Tenderer, together with his particulars and date of submission at the bottom of the Form of Tender

We hereby confirm that this Tender complies with the Tender validity and Earnest money deposit required by the Tender documents.

We attach herewith our current income-tax clearance certificate.

Yours faithfully,

Authorized Signature:

Name & Title of Signatory:

_____

Name of Tenderer _____

Address: ----------

Letter of Acceptance

(letterhead paper of the Employer)

…….[date]

To:

…….

…….[name and address of the Contractor]

Dear Sirs,

This is to notify you that your Tender dated ……. for execution of the …….

……

……. *[name of the contract and identification number, as given in the Instructions to Tenderers]* for the Contract Price of Rupees ……

…… (……)

[amount in words and figures], as corrected and modified in accordance with the Instructions to Tenderers is hereby accepted by our Agency.

You are hereby requested to furnish Security deposit plus additional security for unbalanced tenders in terms of Clause 25.5 of ITT, in the form detailed in Clause 29.1 of ITT for an amount of Rs…….. within 20 days of the receipt of this letter of acceptance valid up to 30 days from the date of expiry of Defects Liability Period i.e. up to ..... and sign the contract, failing which action as stated in Para 29.4 of ITT will be taken.

Yours faithfully,

Authorized Signature

Name and Title of Signatory

Issue of Notice to proceed with the work

(letterhead of the Employer)

……(date)

To

……
……
…… (name and address of the Contractor)

Dear Sirs:

Pursuant to your furnishing the requisite security deposit as stipulated in ITT Clause 29.1 and signing of the contract agreement for the construction of …… (name of the work) a Tender Price of Rs…… , you are hereby instructed to proceed with the execution of the said works in accordance with the contract documents.

Yours faithfully,

(Signature, name and title of signatory
authorized to sign on behalf of Employer)

Agreement Form

Agreement

This agreement, made the ……day of ……20……..,
between……
……
……[name and address of Employer]
(hereinafter called "the Employer") of the one part and
……
……[name and address of contractor] (hereinafter called "the Contractor") of the other part.

Whereas the Employer is desirous that the Contractor execute
……
…… [name and identification number of Contract] (hereinafter

called “the Works”) and the Employer has accepted the Tender by the Contractor for the execution and completion of such Works and the remedying of any defects therein at a contract price of Rupees.....

NOW THIS AGREEMENT WITNESSETH as follows:

1. In this Agreement, words and expression shall have the same meanings as are respectively assigned to them in the Conditions of Contract hereinafter referred to, and they shall be deemed to form and be read and construed as part of this Agreement.
2. In consideration of the payments to be made by the Employer to the Contractor as hereinafter mentioned, the Contractor hereby covenants with the Employer to execute and complete the Works and remedy any defects therein in conformity in all aspects with the provisions of the Contract.
3. The Employer hereby covenants to pay the Contractor in consideration of the execution and completion of the Works and the remedying the defects wherein the Contract Price or such other sum as may become payable under the provisions of the Contract at the times and in the manner prescribed by the Contract.
4. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz:
   i) Letter of Acceptance;
   ii) Notice to proceed with the works;
   iii) Contractor’s Tender;
   iv) Contract Data;
   v) Conditions of contract (including Special Conditions of Contract);
   vi) Specifications;
   vii) Drawings;
   viii) Bill of Quantities; and
   ix) Any other document listed in the Contract Data as forming part of the contract.

In witness whereof the parties thereto have caused this Agreement to be executed the day and year first before written.

The Common Seal of
.....
Signed, Sealed and Delivered by the said
.....
.....
in the presence of:
Binding Signature of Employer
.....
Binding Signature of Contractor

.....

SECTION 5: CONDITIONS OF CONTRACT

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Conditions of Contract

A. General

1. Definitions

1.1 Terms which are defined in the Contract Data are not also defined in the Conditions of Contract but keep their defined meanings. Bold letters are used to identify defined terms.

Bill of Quantities means the priced and completed Bill of Quantities forming part of the Tender.
Compensation events are those defined in Clause 38 hereunder.
The **Completion Date** is the date of completion of the Works as certified by the Employer in accordance with Sub Clause 46.1.
The **Contract** is the contract between the Employer and the Contractor to execute, complete and maintain the Works. It consists of the documents listed in Clause 2.2 below.
The **Contract Data** defines the documents and other information which comprise the Contract.
The **Contractor** is a person or corporate body who's Tender to carry out the Works has been accepted by the Employer.
The **Contractor's Tender** is the completed Tender document submitted by the Contractor to the Employer.
The **Contract price** is the price stated in the Letter of Acceptance and thereafter as adjusted in accordance with the provisions of the Contract.
Days are calendar days; **months** are calendar months.
A **Defect** is any part of the Works not completed in accordance with the Contract.
The **Defects liability period** is the period named in the Contract Data and calculated from the Completion Date.
The **Employer** is the party who will employ the Contractor to carry out the Works.
Equipment is the Contractor's machinery and vehicles brought temporarily to the Site to construct the Works.
The **Initial Contract price** is the Contract Price listed in the Employer's Letter of Acceptance.
The **Intended Completion Date** is the date on which it is intended that the Contractor shall complete the Works. The Intended Completion Date is specified in the Contract Data. The Intended Completion Date may be revised only by the Employer by issuing an extension of time.
Materials are all supplies, including consumables, used by the contractor for incorporation in the Works.
Plant is any integral part of the Works which is to have a mechanical, electrical, electronic or chemical or biological function.
The **Site** is the area defined as such in the Contract Data.

Specification means the Specification of the Works included in the Contract and any modification or addition made or approved by the Employer.
The **Start Date** is given in the Contract Data. It is the date when the Contractor shall commence execution of the works. It does not necessarily coincide with any of the Site Possession Dates.
A **Subcontractor** is a person or corporate body who has a Contract with the Contractor to carry out a part of the work in the Contract which includes work on the Site.
A **Variation** is an instruction given by the Employer which varies the Works.
The **Works** are what the Contract requires the Contractor to construct, install, and turn over to the Employer, as defined in the Contract Data.

2. Interpretation

2.1 In interpreting these Conditions of Contract, singular also means plural, male also means female or neuter, and the other way around. Headings have no significance. Words have their normal meaning under the language of the Contract unless specifically defined. The Employer will provide instructions clarifying queries about the Conditions of Contract.

2.2 The documents forming the Contract shall be interpreted in the following order of priority:

(1) Agreement
(2) Letter of Acceptance, notice to proceed with the works
(3) Contractor's Tender
(4) Contract Data
(5) Conditions of Contract
(6) Specifications
(7) Drawings
(8) Bill of quantities and
(9) any other document listed in the Contract Data as forming part of the Contract.

3. Law governing contract

3.1 The law governing the Contract is the Laws of India supplanted by the Karnataka Local Acts.

4. Employer's decisions

4.1 Except where otherwise specifically stated, the Employer will decide contractual matters between the Employer and the Contractor.

5. Delegation

5.1 The Employer may delegate any of his duties and responsibilities to other people after notifying the Contractor and may cancel any delegation after notifying the Contractor.

6. Communications

6.1 Communications between parties which are referred to in the conditions are effective only when in writing. A notice shall be effective only when it is delivered (in terms of Indian Contract Act).

7. Subcontracting (Deleted)

7.1 Deleted.

8. Other Contractors

8.1 The Contractor shall cooperate and share the Site with other contractors, public authorities, utilities, and the Employer.

9. Personnel

9.1 The Contractor shall employ the technical personnel (of number and qualifications) as may be stipulated by GOK from time to time during the execution of the work. The technical staff so employed shall be available at site as may be stipulated by the Employer.

9.2 If the Employer asks the Contractor to remove a person who is a member of the Contractor's staff or his work force stating the reasons, the Contractor shall ensure that the person leaves the Site within seven days and has no further connection with the work in the Contract.

10. Employer's and Contractor's risks

10.1 The Employer carries the risks which this Contract states are Employer's risks, and the Contractor carries the risks which this Contract states are Contractor's risks.

11. Employer's risks

11.1 The Employer is responsible for the excepted risks which are:

(a) rebellion, riot commotion or disorder unless solely restricted to employees of the Contractor or his Sub-Contractors arising from the conduct of the Works; or

(b) a cause due solely to the design of the Works, other than the Contractor's design; or

(c) any operation of the forces of nature (in so far as it occurs on the Site) which an experienced contractor:

(i) could not have reasonably foreseen; or

(ii) could reasonably have foreseen, but against which he could not reasonably have taken at least one of the following measures;

(A) prevent loss or damage to physical property from occurring by taking appropriate measures or

(B) insure against such loss or damage

12. Contractor's risks

12.1 All risks of loss of or damage to physical property and of personal injury and death which arise during and in consequence of the performance of the Contract other than the excepted risks are the responsibility of the Contractor.

13. Insurance:

13.1 The Contractor shall prior to commencing the works, effect and thereafter maintain insurances , in the joint names of the Employer and the Contractor, (cover from the first working day after the Start Date to the end of Defects Liability Period), in the amounts stated in the Contract Data :

(a) for loss of or damage to the Works, Plants and Materials and the Contractor's equipment;

(b) for liability of both Parties for loss, damage, death and injury to third parties or their property arising out of the Contractor's performance of the Contract including the Contractor's liability for damage to the Employer's property other than the Works and

(c) for liability of both Parties and of any Employer's representative for death and injury to the Contractor's personnel except to the extent that liability arises from the negligence of the Employer, any Employer's representative or their Employees.

13.2 Policies and certificates for insurance shall be delivered by the Contractor to the Employer for his approval before the Start Date. All such insurance shall provide for compensation to be payable to rectify the loss or damage incurred. All payments received from insurers relating to loss or damage shall be held jointly by the Parties and used for the repair of the loss or damage or as compensation for loss or damage that is not to be repaired.

13.3 If the Contractor fails to effect or keep in force any of the insurances referred to in the previous sub-clauses or fails to provide satisfactory evidence, policies or receipts, the Employer may without prejudice to any other right or remedy, effect insurance for the cover relevant to such default and pay the premiums due and recover the same as a deduction from any other monies due to the Contractor. If no payments is due, the payment of the premiums shall be a debt due.

13.4 Alterations to the terms of insurance shall not be made without the approval of the Employer.

13.5 Both Parties shall comply with any conditions of the insurance policies.

14. Site Investigation Reports:

14.1 The Contractor, in preparing the tender, shall rely on any site investigation reports referred to in the Contract data, supplemented by any information available to the Tenderer.

15. Queries about the Contract Data

15.1 The Employer will clarify queries on the Contract Data.

16. Contractor to construct the Works

16.1 The Contractor shall construct the Works in accordance with the Specification and Drawings.

17. The Works to be completed by the Intended Completion Date

17.1 The Contractor may commence execution of the Works on the Start Date and shall carry out the Works in accordance with the program submitted by the Contractor, as updated with the approval of the Employer, and complete them by the Intended Completion Date.

18. Approval by the Employer:

18.1 The Contractor shall submit Specification and drawings showing the proposed Temporary Works to the Employer, who is to approve them if they comply with the Specifications and Drawings.

18.2 The Contractor shall be responsible for the design of Temporary Works

18.3 The Employer’s approval shall not alter the Contractor’s responsibility for design of the Temporary Works.

18.4 The Contractor shall obtain approval of third parties to the design of third parties to the design of the temporary Works where required.

18.5 All Drawings prepared by the Contractor for the execution of the temporary or permanent Works, are subject to prior approval by the Employer before their use.

19. Safety

19.1 The Contractor shall be responsible for the safety of all activities on the Site.

20. Discoveries

20.1 Anything of historical or other interest or of significant value unexpectedly discovered on the Site is the property of the Employer. The Contractor is to notify the Employer of such discoveries and carry out the Employer's instructions for dealing with them.

21. Possession of the Site

21.1 The Employer shall give possession of all parts of the Site to the Contractor. If possession of a part is not given by the date stated in the Contract Data the Employer is deemed to have delayed the start of the relevant activities and this will be Compensation Event.

22. Access to the Site

22.1 The Contractor shall allow the Employer and any person authorized by the Employer access to the Site, to any place where work in connection with the Contract is being carried out or is intended to be carried out and to any place where materials or plant are being manufactured / fabricated / assembled for the works.

23. Instructions

23.1 The Contractor shall carry out all instructions of the Employer which comply with the applicable laws where the Site is located.

24. Procedure for resolution of Disputes:

24.1 If the Contractor is not satisfied with the decision taken by the Employer, the dispute shall be referred by either party to Arbitration within 30 days of the notification of the Employer's decision.

24.2 If neither party refers the dispute to Arbitration within the above 30 days, the Employer's decision will be final and binding.

24.3 The Arbitration shall be conducted in accordance with the arbitration procedure stated in the Special Conditions of Contract.

B. Time Control

25. Program

25.1 Within the time stated in the Contract Data the Contractor shall submit to the Employer for approval a Program showing the general methods, arrangements, order, and timing for all the activities in the Works.

25.2 The Employer's approval of the Program shall not alter the Contractor's obligations. The Contractor may revise the Program and submit it to the Employer again at any time. A revised Program is to show the effect of Variations and Compensation Events.

26. Extension of the Intended Completion Date

26.1 The Employer shall extend the Intended Completion Date if a Compensation Event occurs or a Variation is issued which makes it impossible for Completion to be achieved by the Intended Completion Date.

26.2 The Employer shall decide whether and by how much to extend the Intended Completion Date within 21 days of the Contractor asking the Employer for a decision upon the effect of a Compensation Event or Variation and submitting full supporting information.

27. Delays ordered by the Employer

27.1 The Employer may instruct the Contractor to delay the start or progress of any activity within the Works.

28. Management meetings

28.1 The Employer may require the Contractor to attend a management meeting. The business of a management meeting shall be to review the progress achieved and the plans for remaining work.

28.2 The responsibility of the parties for actions to be taken is to be decided by the Employer either at the management meeting or after the management meeting and stated in writing to be distributed to all who attended the meeting.

C. Quality Control

29. Identifying defects

29.1 The Employer shall check the Contractor's work and notify the Contractor of any Defects that are found. Such checking shall not affect the Contractor's responsibilities. The Employer may instruct the Contractor to search for a Defect and to uncover and test any work that the Employer considers may have a Defect

30. Tests

30.1 If the Employer instructs the Contractor to carry out a test not specified in the Specification to check whether any work has a Defect and the test shows that it does, the Contractor shall pay for the test and any samples. If there is no Defect the test shall be a Compensation Event.

31. Correction of defects

31.1 The Employer shall give notice to the Contractor of any Defects before the end of the Defects Liability Period, which begins at Completion and is defined in the Contract Data. The Defects Liability Period shall be extended for as long as Defects remain to be corrected.

31.2 Every time notice of a Defect is given, the Contractor shall correct the notified Defect within the length of time specified by the Employer’s notice.

32. Uncorrected defects

32.1 If the Contractor has not corrected a Defect within the time specified in the Employer’s notice, the Employer will assess the cost of having the Defect corrected, and the Contractor will pay this amount.

COST CONTROL

33. Bill of Quantities (BOQ)

33.1 The BOQ shall contain items for the construction, installation, testing, and commissioning work to be done by the Contractor.

33.2 The BOQ is used to calculate the Contract Price. The Contractor is paid for the quantity of the work done at the rate in the BOQ for each item

34. Variations

34.1 The Employer shall have power to order the Contractor to do any or all of the following as considered necessary or advisable during the progress of the work by him

(a) Increase or decrease of any item of work included in the Bill of Quantities (BOQ);
(b) Omit any item of work;
(c) Change the character or quality or kind of any item of work;
(d) Change the levels, lines, positions and dimensions of any part of the work;
(e) Execute additional items of work of any kind necessary for the completion of the works; and
(f) Change in any specified sequence, methods or timing of construction of any part of the work.

34.2 The Contractor shall be bound to carry out the work in accordance with any instructions in this connection, which may be given to him in writing by the Employer and such alteration shall not vitiate or invalidate the contract.

34.3 Variations shall not be made by the Contractor without an order in writing by the Employer, provided that no order in writing shall be required for increase or decrease in the quantity of an item appearing in the BOQ so long as the work executed conforms to the approved drawings.

34.4 The Contractor shall promptly request in writing to the Employer to confirm verbal orders and the officer issuing oral instructions shall confirm it in writing within 30 days, failing which the work shall be carried out as though there is no variation. In case variation is approved it shall be accompanied by BOQ, failing which the contractor shall be responsible for deviation if any. Further, approval of Govt. / BBMP has to be obtained for the variation exceeding 5%.

35. Payments for Variations

35.1 Payment for increase in the quantities of an item in the BOQ up to 25% of that provided in the Bill of Quantities shall be made at the rates quoted by the Contractor.

35.2 For quantities in excess of 125% of the tendered quantity of an item as given in the BOQ, the Contractor shall be paid at the rate entered in or derived from in the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract.

35.3 If there is no rate for the additional, substituted or altered item of the work in the BOQ, efforts would be made to derive the rates from those given in the BOQ or the Schedule of Rates (applicable for the area of the work and current at the time of award of contract) and if found feasible the payment would be made at the derived rate for the item plus or minus the overall percentage of the original tendered rates over the current Schedule of Rates prevalent at the time of award of contract

35.4 If the rates for additional, substituted or altered item of work cannot be determined either as at 35.1 or 35.2 or 35.3 above, the Contractor shall be requested to submit his quotation for the items supported by analysis of the rate or rates claimed, within 7 days.

35.5 If the Contractor's quotation is determined unreasonable, the Employer may order the Variation and make a change to the Contract Price which shall be based on Employer’s own forecast of the effects of the Variation on the Contractor's costs.

35.6 If the Employer decides that the urgency of varying the work would prevent a quotation being given and considered without delaying the work, no quotation shall be given and the Variation shall be treated as a Compensation Event.

35.7 Under no circumstances the Contractor shall suspend the work on the plea of non-settlement of rates for items falling under this Clause.

36. Submission of bills for payment

36.1 The Contractor shall submit to the Employer monthly bills of the value of the work completed less the cumulative amount paid previously.

36.2 The Employer shall check the Contractor's bill and determine the value of the work executed which shall comprise of (i) value of the quantities of the items in the BOQ completed and (ii) valuation of Variations and Compensation Events.

36.3 The Employer may exclude any item paid in a previous bill or reduce the proportion of any item previously paid in the light of later information.

37. Payments

37.1 Payments shall be adjusted for deductions for advance payments other than recoveries in terms of contract and taxes, at source, as applicable under the law. The Employer shall pay the Contractor the within 60 days of submission of bill. The contractor shall be liable to pay liquidated damages for shortfall in progress. For progress beyond the agreed programme payment is subject to availability of the grants.

37.2 Items of the Works for which no rate or price has been entered in will not be paid for by the Employer and shall be deemed covered by other rates and prices in the Contract.

38. Compensation events

38.1 The following are Compensation events unless they are caused by the Contractor:

(a) The Employer does not give access to a part of the Site by the Site Possession Date stated in the Contract Data.
(b) The Employer orders a delay or does not issue drawings, specifications or instructions required for execution of works on time.
(c) The Employer instructs the Contractor to uncover or to carry out additional tests upon work which is then found to have no Defects.
(d) The Employer gives an instruction for dealing with an unforeseen condition, caused by the Employer, or additional work required for safety or other reasons.
(e) The effect on the Contractor of any of the Employer’s Risks.
(f) The Employer unreasonably delays issuing a Certificate of Completion.
(g) Other Compensation Events listed in the Contract Data or mentioned in the Contract.

38.2 If a Compensation Event would cause additional cost or would prevent the work being completed before the Intended Completion Date, the Contract Price shall be increased and/or the Intended Completion Date is extended. The Employer shall decide whether and by how much the Contract Price shall be increased and whether and by how much the Intended Completion Date shall be extended.

38.3 As soon as information demonstrating the effect of each Compensation event upon the Contractor's forecast cost has been provided by the Contractor, it is to be assessed by the Employer and the Contract Price shall be adjusted accordingly. If the Contractor's forecast is deemed unreasonable, the Employer shall adjust the Contract Price based on Employer’s own forecast. The Employer will assume that the Contractor will react competently and promptly to the event.

38.4 The Contractor shall not be entitled to compensation to the extent that the Employer's interests are adversely affected by the Contractor not having given early warning or not having cooperated with the Employer.

39. Tax

39.1 The rates quoted by the Contractor shall be deemed to be exclusive of GST and inclusive of other taxes that the Contractor will have to be paid for the performance of this Contract. The Employer will perform such duties in regard to the deduction of such taxes at source as per applicable law.

40. Price Adjustment: (Deleted)

GO-1 (As per the G.O. No.FD 3 PCL 2008, Bangalore, Dated: 21.11.2008)

If the period of execution is more than 6 months but less than or equal to 12 months for work costing more than Rs.50 lakhs, star rates in respect of specified materials (cement, steel and bitumen) only shall be payable to the contractor based on the all India average wholesale price index for the said materials. The star rates adjustment shall be as per the increase or decrease in the index as applied to the said materials between the last date for receiving bids and the date of execution as per the approved programme of works submitted by the contractor at the time of execution of agreement which shall mandatorily be a part of the agreement.

Government order-02.GO.N.791 Exp-12/2015.dated.26.02.2016 Bangalore – Provision for price adjustment for specified materials for works – is under clarification as per Government order action taken.

40.1 Contract price shall be adjusted for increase or decrease in rates and prices of labour, materials, fuels and lubricants in accordance with the following principles and procedures and as per formulae given in the Contract Data.[7]

(a) The price Adjustment shall apply for the work done from the date of commencement up to the end of original period of completion or extensions granted by the Employer and shall not apply to work carried out beyond the stipulated period of completion for reasons attributable to the Contractor;
(b) Price Adjustment shall be admissible from the date of opening of tenders (original or extended)

[7] Refer GOK Order No.FD 59 Pro.Cell 2004, Bangalore Dated 26th November 2004

(c) The price adjustment shall be determined during each quarter from the formulae given in Contract Data.
(d) Following expressions and meanings are assigned to the work done during the quarter:

R = Total value of work done during the quarter. It will exclude value for works executed under variations for which price adjustment (if any) will be worked out separately based on the terms mutually agreed.

40.2 To the extent that full compensation for any rise or fall in costs to the contractor is not covered by the provisions of this or other Clauses in the Contract, the unit rates included in the contract shall be deemed to include amounts to cover the contingency of such other rise or fall in costs.

41. Liquidated damages

41.1 The Contractor shall pay liquidated damages to the Employer at the rate per day stated in the Contract Data for each day that the Completion Date is later than the Intended Completion Date (for the whole of the works or the milestone as stated in the Contract Data). The total amount of liquidated damages shall not exceed the amount defined in the Contract Data. The Employer may deduct liquidated damages from payments due to the Contractor. Payment of liquidated damages does not affect the Contractor's liabilities.

41.2 If the Intended Completion Date is extended after liquidated damages have been paid, the Employer shall correct any overpayment of liquidated damages by the Contractor by adjusting the next payment of bill.

42. Advance Payments: Refer Section 6: Contract Data (Deleted)

43. Securities:

43.1 The Security deposit (including additional security for unbalanced tenders) shall be provided to the Employer no later than the date specified in the Letter of Acceptance and shall be issued in an amount and form and type of instrument acceptable to the Employer. The Security deposit shall be valid until a date 30 days from the date of expiry of Defects Liability Period and the additional security for unbalanced tenders shall be valid until a date 30 days from the date of issue of the certificate of completion.

44. Cost of Repairs:

44.1 Loss or damage to the Works or Materials to be incorporated in the Works between the Start Date and the end of the Defects Correction periods shall be remedied by the Contractor at the

Contractor's cost if the loss or damage arises from the Contractor's acts or omissions.

E. Finishing the Contract

45. Completion

45.1 The Contractor shall request the Employer to issue a Certificate of Completion of the Works and the Employer will do so upon deciding that the Work is completed.

46. Taking over

46.1 The Employer shall take over the Site and the Works within seven days of issuing a certificate of Completion.

47. Final account

47.1 The Contractor shall supply to the Employer a detailed account of the total amount that the Contractor considers payable under the Contract before the end of the Defects Liability Period. The Employer shall issue a Defect Liability Certificate and certify any final payment that is due to the Contractor within 90 days of receiving the Contractor's account if it is correct and complete. If it is not, the Employer shall issue within 90 days a schedule that states the scope of the corrections or additions that are necessary. If the Final Account is still unsatisfactory after it has been resubmitted, the Employer shall decide on the amount payable to the Contractor and make payment within 60 days of receiving the Contractor's revised account.

48. As built drawings and /or Operating and Maintenance Manuals

48.1 If "as built" (*Completion drawings*) Drawings and/or operating and maintenance manuals are required, the Contractor shall supply them by the dates stated in the Contract Data.

48.2 If the Contractor does not supply the Drawings by the dates stated in the Contract Data, or they do not receive the Employer's approval, the Employer shall withhold the amount stated in the Contract Data from payments due to the Contractor.

49. Termination

49.1 The Employer may terminate the Contract if the other party causes a fundamental breach of the Contract.

49.2 Fundamental breaches of Contract include, but shall not be limited to the following:

(a) The Contractor stops work for 45 days when no stoppage of work is shown on the current Program and the stoppage has not been authorized by the Employer;
(b) Deleted.
(c) The Contractor becomes bankrupt or goes into liquidation other than for a reconstruction or amalgamation;
(d) Deleted.
(e) the Employer gives Notice that failure to correct a particular Defect is a fundamental breach of Contract and the Contractor fails to correct it within a reasonable period of time determined by the Employer;
(f) The Contractor does not maintain a security which is required;
(g) the Contractor has delayed the completion of works by the number of days for which the maximum amount of liquidated damages can be paid as defined in the Contract data; and
(h) If the Contractor, in the judgment of the Employer has engaged in corrupt or fraudulent practices in competing for or in the executing the Contract.
For the purpose of this paragraph : "corrupt practice" means the offering, giving, receiving or soliciting of any thing of value to influence the action of a public official in the procurement process or in contract execution. "Fraudulent practice" means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Borrower, and includes collusive practice among Tenderers (prior to or after Tender submission) designed to establish Tender prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition."

49.3 When either party to the Contract gives notice of a breach of contract to the Employer for a cause other than those listed under Sub Clause 49.2 above, the Employer shall decide whether the breach is fundamental or not.

49.4 Notwithstanding the above, the Employer may terminate the Contract for convenience.

49.5 If the Contract is terminated the Contractor shall stop work immediately, make the Site safe and secure and leave the Site as soon as reasonably possible.

50. Payment upon Termination

50.1 If the Contract is terminated because of a fundamental breach of Contract by the Contractor, the Employer shall prepare bill for the value of the work done less advance payments received up to the date of the bill, less other recoveries due in terms of the contract, less taxes due to be deducted at source as per applicable law and less the percentage to apply to the work not completed as indicated

in the Contract Data. Additional Liquidated Damages shall not apply. If the total amount due to the Employer exceeds any payment due to the Contractor the difference shall be a debt payable to the Employer.

50.2 If the Contract is terminated at the Employer's convenience or because of a fundamental breach of Contract by the Employer, the Employer shall prepare bill for the value of the work done, the reasonable cost of removal of Equipment, repatriation of the Contractor's personnel employed solely on the Works, and the Contractor's costs of protecting and securing the Works and less advance payments received up to the date of the certificate, less other recoveries due in terms of the contract, and less taxes due to be deducted at source as per applicable law and make payment accordingly.

51. Property

51.1 All materials on the Site, Plant, Equipment, Temporary Works and Works are deemed to be the property of the Employer, if the Contract is terminated because of a Contractor’s default.

52. Release from performance

52.1 If the Contract is frustrated by any event entirely outside the control of either the Employer or the Contractor the Employer shall certify that the Contract has been frustrated. The Contractor shall make the Site safe and stop work as quickly as possible after receiving this certificate and shall be paid for all work carried out before receiving it and for any work carried out afterwards to which commitment was made

F. Special Conditions of Contract

1. Labour:

The Contractor shall, unless otherwise provided in the Contract, make his own arrangements for the engagement of all staff and labour, local or other, and for their payment, housing, feeding and transport.

The Contractor shall, if required by the Employer, deliver to the Employer a return in detail, in such form and at such intervals as the Employer may prescribe, showing the staff and the numbers of the several classes of labour from time to time employed by the Contractor on the Site and such other information as the Employer may require.

2. Compliance with labour regulations:

During continuance of the contract, the Contractor shall abide at all times by all existing labour enactments and rules made there under, regulations, notifications and bye laws of the State or Central Government or local authority and any other labour law (including rules), regulations, bye laws that may be passed or notification that may be issued under any labour law in future either by the State or the Central Government or the local authority. The Contractor shall keep the Employer indemnified in case any action is taken against the Employer by the competent authority on account of contravention of any of the provisions of any Act or rules made there under, regulations or notifications including amendments. If the Employer is caused to pay or reimburse, such amounts as may be necessary to cause or observe, or for non-observance of the provisions stipulated in the notifications/bye laws/Acts/Rules/regulations including amendments, if any, on the part of the Contractor, Employer shall have the right to deduct any money due to the Contractor including his amount of security deposit. The Employer shall also have right to recover from the Contractor any sum required or estimated to be required for making good the loss or damage suffered by the Employer.

The employees of the Contractor in no case shall be treated as the employees of the Employer at any point of time

3. Protection of Environment:

The contractor shall take all reasonable steps to protect the environment on and off the Site and to avoid damage or nuisance to persons or to property of the public or others resulting from pollution, noise or other causes arising as a consequence of his methods of operation. During continuance of the contract, the contractor shall abide at all times by all existing enactments on environmental protection and rules made there under, regulations, notifications and bye-laws of the State or Central Government, or local authorities and any other law, bye-law, regulations that may be passed or notification that may be issued in this respect in future by the State or Central Government or the local authority.

4. Arbitration (Clause 24)

4.1 The procedure for arbitration shall be as follows:

(a) In case of dispute or difference arising between the Employer and the Contractor relating to any matter arising out of or connected with this agreement it shall be settled in accordance with the Arbitration and Conciliation Act 1996. The disputes or differences shall be referred to a Sole Arbitrator. The Sole Arbitrator shall be appointed by agreement between the parties;

failing such agreement, by the Appointing Authority (any one of the Organizations as per list enclosed in Annexure)

(b) Arbitration proceedings shall be held at……, Karnataka state (to be filled in by the Employer before issue of the Tender Documents),

(c) The cost and expenses of arbitration proceedings will be paid as determined by the Arbitrator. However the expenses incurred by each party in connection with the preparation, presentation, etc., shall be borne by each party itself.

5. In the case of the death of a Contractor after executing the agreement / commencement of the work, his legal heir, if an eligible registered Contractor and willing can execute and complete the work at the accepted tender rates irrespective of the cost of the work.

6. The Contractor should produce invoice for procurement of Bitumen, Steel, HDPE ducts, Geo-textile material along with bills. No payments will be made without such invoices.

7. Mix Designs for Concrete and Asphalt work should be got approved by Chief Engineer before commencement of Work.

8. 63/51 mm Double Walled Corrugated HDPE Duct should have the inner layer as silicore marking the duct manufacturer and also size of the duct. The Duct should conform to ISO Certification and the colour of duct should be orange or blue for better identity.

9. The Contractor shall provide One four wheeler along with driver, fuel expenses to Project Engineers in-charge of work to facilitate and co-ordinate the supervision of the work.

10. The Contractor shall establish field lab and field office to facilitate quality assurance of execution of works.

11. The hot mix plant unit should be within the radius of 40km from Vidhanasoudha, Bangalore

12. The availability of hot mix plant and ownership will be ascertained by physical inspection at the time of technical evaluation by the evaluation authority

13. GST Shall be Paid to the Tendered Amount Separately

14. Tenderer should have Registered with EPF and ESI authorities: Certification should be produced at the time of Tendering OR else being entering into the Agreement.

Annexure:

LIST OF ORGANIZATIONS WHO ARE CONSIDERED AS APPOINTING AUTHORITY FOR APPOINTMENT OF ARBITRATORS[8]

1. Indian Council of Arbitration, New Delhi;
2. International Centre for Alternative Disputes Resolution (India);
3. Indian Roads Congress;
4. Indian Building Congress;
5. Indian Institute of Bridge Engineers;
6. Indian Institute of Public Health Engineers;
7. Institute of Water Works

SECTION 6: CONTRACT DATA

Items marked "N/A" do not apply in this Contract.

The following documents are also part of the Contract:

Clause Reference

- The Schedule of Operating and Maintenance Manuals [4
- The Methodology and Program of Construction [2
- Site Investigation Reports [14]
- The Schedule of Key and Critical Equipment to be deployed on the work as per agreed program of construction. [25]

The Employer is:

Name: The Commissioner [1.1]
Address: BBMP, N.R. Square Bangalore-02
Name of authorized Representative: Office of the Executive Engineer Project South, South Zone office complex, 9th main, 9th cross, Jayanagara 2nd block, Bengaluru - 560011

The name and identification number of the Contract is [
Comprehensive development by providing ornamental grill, pathway, shelter to GYM equipments, Children play

[8] Add any other Organization considered suitable.

equipments, new gazebo and repairs and additional works for sports complex in Madiwala and overall development of parks and playground in BTM Layout Constituency,
The Works consist Park , Play ground ,Buildings

The start date shall be the date of issue of notice to proceed with the work. [1.1]

The Intended Completion Date for the whole of the Works is **9 months**[9] with the following milestones [17, 26]

Milestone dates:
Physical works to be completed Period from the date of issue of Notice to proceed with the work

Milestone 1 i.e Financial Progress for Rs.2.17 Crores within 03 Months from the date of work order
Milestone 2 i.e Financial Progress for Rs 2.17 Crores within 06 Months from the date of work order
Milestone 3 i.e Financial Progress for Rs. 2.19 Crores within 09 Months from the date of work order

The Site Possession Date is:[10] **Date of work order**
[21]

The Site is located at **BTM layout Constituency (South Zone)**
[1.1]
and is defined in drawings

The Defects Liability Period is **3 Years**

Insurance requirements are as under: [13]

	Type of Cover	Minimum cover for Insurance[11]
(i)	Works of Plant and materials	The sum stated in the Agreement plus 20%
(ii)	Loss or damage to equipment	Full replacement cost
(iii)	Loss or damage to property of Third	Full replacement cost

[9] At the time of preparation of the tender document give the period required for completion of whole work and the milestones. When the Agreement is drawn after award of contract the dates can be put in.
[10] At the time of preparation of the tender document give the period after the issue of work order, when the site would be made available to the contractor, for example 'one week after the issue of work order'
[11] Employer to specify as per requirement. Exclusions if any should also be specified.

	Party	
(iv)	Personal injury or death insurance (a) for Third Party[12]	
	(b) for Contractor's employees or labour	In accordance with the statutory requirements applicable to Karnataka

Price Adjustment Formula;[13] **Deleted**

[40]

R= Value of work as defined in Clause 40.1 of Conditions of Contract.

Adjustment for labour component:

(i) Price adjustment for increase or decrease in the cost due to labour shall be paid in accordance with the following formula:

$V_L = 0.85 \text{ X } P_L /100 \text{ X R X}(L_i - L_o) /L_o$ Where,

V_L = Increase or decrease in the cost of work during the quarter under consideration due to changes in rates for local labour;

L_o = The average consumer price index[14] for industrial workers for Bangalore Centre for the quarter preceding the date of opening of tenders as published by the Labour Bureau, Ministry of Labour, Government of India;

L_i = The average consumer price index for industrial workers for Bangalore Centre for the quarter under consideration as published by Labour Bureau, Ministry of Labour, Government of India

P_L = Percentage of labour component of the work

Adjustment for Cement Component:

(ii) Price adjustment for increase or decrease in the cost of cement component procured by the contractor shall be paid in accordance with the following formula.

$V_C = 0.85 \text{ X } P_C /100 \text{ X R X } (C_i - C_o) /C_o$, Where,

[12] Specify an appropriate figure. For normal works it could be Rs.20 lakhs to cover 4 persons @Rs.5 lakhs each.

[13] The Formula has some normal components. It should be changed if need be to suit the nature of the work.

[14] The Index numbers are available in the web site *http://labourbureau.nic.in/indtab.html*

V_C = Increase or decrease in the cost of the work during the quarter under consideration due to changes in the rates for cement;

C_o = The all India average wholesale price index [15]for cement (Ordinary Portland Cement) for the quarter preceding the date of opening of the tenders as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India , New Delhi;

C_i = The all India average wholesale price index for cement (Ordinary Portland Cement) for the quarter under consideration as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_C = Percentage of cement component of the work

Note: For the application of this clause index of Ordinary Portland Cement[16] has been chosen to represent Cement Group

Adjustment for steel component:

(iii) Price adjustment for increase or decrease in the cost of steel procured by the contractor shall be paid in accordance with the following formula.

$V_S = 0.85 \text{ X } P_S/100 \text{ X R X } (S_i - S_o)/S_o$ where,

V_S = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for steel;

S_o = The all India average wholesale price index for steel (M.S.Bars and rods) for the quarter preceding the date of opening of Bids as published by the Office of Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

S_i = The all India average wholesale price index for steel (M.S. Bars and Rods) for the quarter under consideration as published by the Office of Economic Advisor, Ministry of Commerce and Industry, New Delhi

P_S = Percentage of steel component of the work

Note: For the application of this clause, index of M.S. Bars and Rods[17] has been chosen to represent steel group.

Adjustment of Bitumen Component:

[15] The index number are available in the web site *http://eaindustry.nic.in*

[16] This may be changed to any other type of cement depending on the nature of work.

[17] This may be changed depending on the major type of steel used depending on the nature of work

(iv) Price adjustment for increase or decrease in the cost of bitumen shall be paid in accordance with the following formula:

$V_B = 0.85 \text{ X } P_B/100 \text{ X R X } (B_i - B_o)/B_o$, Where

V_B = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rate for bitumen.

B_o = The official retail price of bitumen at the IOC /HPCL/BPL or any other depot at ..... [18]on the day 30 days prior to the date of opening of Bids.

B_i = The official retail price of bitumen at the IOC/HPCL/BPL or any other depot at ..... for the 15th day of the middle calendar month of the quarter under consideration.

P_B = Percentage of bitumen component of the work.

Adjustment of Fuel and Lubricant component:

(v) Price adjustment for increase or decrease in cost of Fuel and Lubricants shall be paid in accordance with the following formula:

$V_F = 0.85 \text{ X } P_F/100 \text{ X R X } (F_i - F_o)/ F_o$, Where,

V_F = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for Fuel and Lubricants.

F_o = The official retail price of High Speed Diesel (HSD) at the IOC/HPCL/BPL or other consumer pump at Bangalore on the day 30 days prior to the date of opening of Bids.

F_i = The official retail price of HSD at the IOC/HPCL/BPL or other consumer pump at Bangalore for the 15th day of the middle calendar month of the quarter under consideration.

P_F = Percentage of Fuel and Lubricant component of the work.

Note: For the application of this Clause the price of HSD[19] has been chosen to represent Fuel and Lubricant Group

Adjustment for Plant and Machinery Spares Component:

(vi) Price adjustment for increase or decrease in the cost of plant and machinery spares procured by the contractor shall be paid in accordance with the following formula:

$V_P = 0.85 \text{ X } P_P/100 \text{ X R X } (P_i - P_o)/P_o$, Where

[18] Insert the nearest location of POL Depot

[19] This could be appropriately changed to any other item depending on the nature of work.

V_P = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for plant and machinery spares.

P_o = The all India average wholesale price index for Heavy machinery and parts for the quarter preceding the date of opening of bids, as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_i = The all India average wholesale price index for Heavy machinery and parts for the quarter under consideration as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_B = Percentage of Plant and Machinery Spares component of the work.

Note: For the application of this Clause index of Heavy Machinery and Parts[20] has been chosen to represent the Plant and Machinery Spares Group.

Adjustment for Other materials.:

(vii) Price adjustment for increase or decrease in the cost of other materials other than cement, steel, bitumen and Fuel and Lubricants[21], procured by the contractor shall be paid in accordance with the following formula:

$$V_M = 0.85 \text{ X } P_M/100 \text{ X R X } (M_i - M_o)/M_o \text{ , Where}$$

V_M = Increase or decrease in the cost of work during the quarter under consideration due to changes in the rates for local materials other than cement, steel, bitumen and Fuel and Lubricants.

M_o = The all India average wholesale price index for all commodities for the quarter preceding the date of opening of bids, as published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

M_i = The all India average wholesale price index for all commodities for the quarter under consideration as

[20] This could be appropriately changed to any other item depending on the nature of the work.

[21] Add, delete or change depending on the nature of work.

published by the Office of the Economic Advisor, Ministry of Commerce and Industry, Government of India, New Delhi

P_M = Percentage of other material component (Other than cement, steel, bitumen and Fuel and Lubricants) of the work.

The following percentages [22]will govern the price adjustment for the entire contract:[23]

1.	Labour – P_L	…….. %
2.	Cement – P_C	……..%
3.	Steel – P_S	……..%
4.	Bitumen – P_B	……..%
5.	Fuel and Lubricants – P_F[24]	……..%
6	Plant and Machinery Spares – P_P[25]	……..%
7	Other materials – P_M	……..%

TOTAL 100 %[26]

[40]

The liquidated damages for the whole of the works are **Rs. ……**amount) per day[27] and that for the milestones are as under:

For Milestone 1: Rs **…… per day**
[41]
For Milestone 2: Rs **……per day**
For Milestone 3: Rs**……Per day**

The maximum amount of liquidated damages for the whole of the works [41]
is Ten percent of final contract price.

The amounts of the advance payment are: Deleted [42]

Nature of	**Amount (Rs.)**	**Conditions to be fulfilled**

[22] The percentages have to be approximately worked out on the estimates of cost and incorporated in the tender document before issue. It shall not be changed even if there is change of scope of work during execution.
[23] The components could be added or deleted or changed depending on the nature of the work.
[24] This could vary from 5% for normal works and 10% for highly mechanized operations in the work
[25] This could vary from 15% for normal works to 30% for highly mechanized operations in the work
[26] The total of the percentages for the various components of the works should be 100.
[27] The amount is usually computed on the basis of 0.1% of the contract price per day. The amount has to be specified as a round figure nearest to the hundred.

Advance		
1. Mobilization	**5% of the Contract price**	**On submission of un-conditional Bank Guarantee. (to be drawn before end of 20% of Contract period)**

(The advance payment will be paid to the Contractor no later than 30 days after fulfillment of the above conditions).

Repayment of advance payment for mobilization : [42]

The advance loan shall be repaid with percentage deductions from the interim payments certified by the Engineer under the Contract. Deductions shall commence in the next Interim Payment Certificate following that in which the total of all such payments to the Contractor has reached not less than 15 percent of the Contract Price or Three [28] months from the date of payment of first installment of advance, whichever period concludes earlier, and shall be made at the rate of 7.5% percent of the amounts of all Interim Payment Certificates until such time as the loan has been repaid, always provided that the loan shall be completely repaid prior to the expiry of the original time for completion pursuant to Clauses 17 and 26.

[29]The date by which "as-built"[30] **drawings (in scale 1:1000**[31]) in 2 sets are required is within
30 days of issue of certificate of completion of Whole or Section of the
Work as the case may be. [48]
[32]The date by which Operating and Maintenance Manuals are required is
within 30 days of issue of certificate of completion of Whole or Section of the
Work as the case may be.

The amount to be withheld for failing to supply "as built" drawings or supply of
Operation and Maintenance Manuals by the date required is **Rs ...../-**

[28] To be filled up by the Employer before issue of the tender document; say 'Three or four months'
[29] Score out whichever is not applicable.
[30] Completion drawings
[31] Specify an appropriate scale
[32] Score out which ever is not applicable.

(The amount should be sufficient to get the completion drawings or Operating and
Maintenance Manuals prepared by alternative agency in case the contractor fails to submit.) [48]

The following events shall also be fundamental breach of the contract: [49.2]

1. The contractor has contravened Sub-clause 7.1 and Clause 9 of CC.

The percentage to apply to the value of the work not completed representing
the Employer's Additional cost for completing the Works shall be 30 percent (30%) . [50.1]

(Change if need be. It should be sufficient to get the balance of works completed by alternative agency.)

SECTION 7: SPECIFICATIONS

As per specifications mentioned in BOQ

SECTION 8: DRAWINGS
(Enclosed)

SECTION 9: BILL OF QUANTITIES

Sl. No.	Description of work	Unit	Quantity	Rate in Rs.	
				In Figures	In Words
1	Supply of self supporting Metecno make Monowell 30mm thick insulated sandwich PUF Panels for Wall Cladding made out of CFC free factory injected Polyurethane foam in between two metal sheets. The panels should be manufactured in continous line process comprising of external skin made of 0.4mm TCT and internal skin made of 0.3mm CTC, eith CPGI sheet on both the side with light grooves to improve the strength and aesthetic. Coating shall be of Regular modified polyster type on both the side with external and internal steel wall facing shall be of 25 of micron finish. The density of the foam should be 38(+-2) kg/m^3. The internal conductivity of 0.024 W/m K. The width of the panel should be 1 mtrs. The self supporting panel shall have Tongue groove joints and the panel joints should be finally sealed with silicon sealant of approved to make it vapour tight. The length of panel should be as per site requirement. Length of the panel to suit the site rquirement (mox of 1.75m). The insulated panel shall be fixed to the steel perlin with the SDST scewsThe thickness ofthe panel shall form 30mm outer excluding profile The panel should manufactured in continous lineprocess Externaltop sheet shall be trapezoidal sheet with 38mm crest & distance between two crest willbe 333.3mm pitch made out of 0.4TCT colour coated Galvanized steel having 16-20micron primer coat complete as	**Sqm**	**450.09**		

	per specification and Engineer In Charge of the Work				
2	Supply of self supporting Metecno made Glamet 30mm thick insulated sandwich PUF Panels for Roofingmade out off CFC free factory injected Polyurethane foam in between two metal sheets. The thickness ofthe panel shall form 30mm outer excluding profile The panel should manufactured in continous lineprocess Externaltop sheet shall be trapezoidal sheet with 38mm crest & distance between two crest willbe 333.3mm pitch made out of 0.4TCT colour coated Galvanized steel having 16-20micron primer coat complete as per specification and Engineer In Charge of the Work	**Sqm**	**965.88**		
3	Supply and installation of approved wooden floor for indoor hall-Maple Flooring with PU Sealer and coat polish 20mm thickness X 60mm width X 2000mm, third & better grade treated sleeperof size 30X60mm to be installed 30cm center to center 20mm professional EPDM rubber pad inclusive of HOM, labour etc., as per the directions of the Engineer in charge.	**Sqm**	**279.31**		
4	Providing and installation of PU Synthetic mat of 4.5mm thick on a base of 5mm thick foam to absorb pressure and with self levelling layer and with beading on the side of flooring including transportation shifting laying with adhesive and with line marking as per the instruction of the engineer in charge of the work	**Sqm**	**211.17**		
5	Providing and laying Artificial Turf Flooring for Badminton Court of thickness not less than 10mm over Concrete flooring fixing with adhesive inclusive of cpst of all materials and as per directions of Engineer In Cahrge of the Work	**Sqm**	**67.67**		

6	Dismantling chain link fencing including removing the posts, cement concrete fedestals, foundation and stacking the useful materials safely at a distance to the appropriate disposal area as per direction of Engineer-in-charge.	**kgs**	**6334.13**		
7	Dismantling tile work in floors and roofs laid in cement mortar including stacking material to the appropriate disposal area as per direction of Engineer-in-charge. For thickness of tiles 10 mm to 25 mm complete as per specification and Engineer In Charge of the Work	**Sqm**	**1235.37**		
8	Demolishing cement concrete manually/ by mechanical means including disposal of material to the appropriate disposal area as per direction of Engineer-in-charge.	**Cum**	**123.54**		
9	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts and lead Dismantling Stone Masonry By Manual means Rubble stone masonry in cement mortar. complete as per specification and Engineer In Charge of the Work	**Cum**	**152.02**		
10	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and	**Cum**	**212.59**		

	other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work. In all kinds of soils Depth upto 1.5 m Ground Floor complete as per specification and Engineer In Charge of the Work				
11	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:4:8 (M5) Using 40 mm nominal size graded crushed coarse aggregates Ground Floor complete as per specification and Engineer In Charge of the Work	**Cum**	**23.02**		
12	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) Ground Floorcomplete as per specification and as per the directions of Engineer In Charge of the work Available Stones	**Cum**	**121.62**		
13	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand) complete as per specification and Engineer In	**Cum**	**495.34**		

	Charge of the Work				
14	Providing Flush/ Ruled pointing: Pointing on stone work with cement mortar 1:3 (1 cement : 3 fine sand) after raking joints to depth nicely lining, including cost of materials, labour, curing as per specifications and as per directions of Engineer-in-charge.	**Sqm**	**342.30**		
15	Providing and laying in position plain cement concrete for levelling course for all works in foundation. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness, well compacted using plate vibrators, including all lead & lifts, cost of all materials of quality, labour, Usage charges of machineries, curing, and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork shall be paid separately) Mix 1:3:6 (M10) Using 20 mm nominal size graded crushed coarse aggregates complete as per specification and Engineer In Charge of the Work	**Cum**	**291.81**		
16	Providing and fixing Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required. In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge	**Kgs**	**191939.21**		
17	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing	**Cum**	**318.64**		

	the Material with water at OMC in mechanical mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver/grader in sub-base / base course on well prepared surface and compacting with vibratory roller to achieve the desired density. complete as per specification and Engineer In Charge of the Work				
18	Providing and laying heavy duty cobble stones 65mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 30 MPa as per IRC SP 63:2018 & IS 15658 over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and Usage charges of machinery complete as per specification and Engineer In Charge of the Work	**Sqm**	**1738.35**		
19	Removing and Resetting of heavy duty cobble stones 65mm thick interlock pavers, over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and Usage charges of machinery complete as per specifications.	**Sqm**	**385.92**		
20	Removing and resetting of kerb stones complete as per specification and Engineer In	**mtr**	**1280.98**		

	Charge of the Work				
21	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete as per specification and Engineer In Charge of the Work	**Nos**	**1530.00**		
22	Painting two coats after filling the surface with synthetic enamel paint in all shades on new plastered concrete surfaces complete as per specification and Engineer In Charge of the Work	**Sqm**	**659.05**		
23	Providing, laying & fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification and Engineer In Charge of the Work	**Sqm**	**259.20**		
24	Providing and fixing Plain Sadarahalli granite benches of 4 feet length and 1 feet width with side arm supports at 18" height with all lead and lift and loading and unloading as per the direction of In Charge of work including all taxes complete as per specification and Engineer In Charge of the Work	**Each**	**72.00**		
25	Providing and fixing pair of S S Dust bin (Perforated/closed) of 300mm Dia and 600mm Dia	**Each**	**57.00**		

	Height with cover with stand fixed to ground with CC 1:2:4 of 20mm D/s aggregates including transportation, labour charges, electricity charges for all item work with all lead and lift etc., complete as per directions of Engineer In Charge of the work.				
26	Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes , labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregates(Including Centering and Shuttering for Foundation upto Plinth Level) Ground Floor complete as per specification and Engineer In Charge of the Work	**Cum**	**33.08**		
27	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately) Ground Floor complete as per specification	**kgs**	**3308.40**		

	and Engineer In Charge of the Work				
28	Providing and fixing Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete. Hot finished seamless type tubes including cost of materials, labour, usage charges of machinery complete as per specifications and as per directions of the Engineer-in-Charge.	**kg**	**25415.00**		
29	Painting Steel work with Deluxe Multi Surface Paint to give an even shade. Two coat applied @ 0.90 ltr/10 m^2 over an under coat of primer applied @ 0.80 ltr/10 m^2 of approved brand and manufacture including preparing the surface after thorougly cleaning oil, grease, dirt and foreign matter, cost of materials, labour complete as per specifications and as per directions of Engineer-in-charge.	**Sqm**	**3241.26**		
30	Providing & fixing corrugated G.S. sheet roofing including vertical / curved surface fixed with polymer coated J or L hooks, bolts and nuts 8 mm diameter with bitumen and G.I. limpet washers or with G.I. limpet washers filled with white lead, including a coat of approved steel primer and two coats of approved paint on overlapping of sheets complete as per design drawings (up to any pitch in horizontal/ vertical or curved surfaces), excluding the cost of purlins, rafters and trusses and including cutting to size and shape wherever required as per the direction of Engineer in charge. 0.63 mm thick with zinc coating not less than 275 g/ m^2 complete	**Sqm**	**1001.68**		

	as per specification and Engineer In Charge of the Work				
31	Providing & fixing on roof pressed clay tile (Mangalore tile) of 20 mm nominal thickness and of approved size and as per approved pattern on steel frame work complete as per specification and Engineer In Charge of the Work	**Sqm**	**1001.68**		
32	Supplying and spreading fully plain screened sand for play area to required depth free from organic matter , clay including watering ramming with all lead and lift complete as per specificationsand as per the direction of engineer incharges.	**Cum**	**8815.00**		
33	Constructing Rain Water Harwesting Pits of 1.20m Dia for 3m Depth including filling pit with 40 mm Aggregates to a depth of 400mm, 20mm Aggregates to a depth of 400mm and sand to a depth of 400mm and covering pit with M S Gratings complete as per specifications and as per directions of Engineer-in-charge.	**Each**	**34.00**		
34	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ m2 including pointing the joints with white cement and matching pigments etc., complete. Ground Floor complete as per specification and Engineer In Charge of the Work	**Sqm**	**18.00**		
35	Providing skirting, dadooing, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough	**Sqm**	**100.80**		

	plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Ground Floor complete as per specification and Engineer In Charge of the Work				
36	Providing and fixing white vitreous china pedestal type water closet (European type) with seat and lid, 10 litre low level white vitreous china flushing cistern & C.P. flush bend with fittings & C.I. brackets, 40 mm flush bend, overflow arrangement with specials of standard make and mosquito proof coupling of approved municipal design complete, including painting of fittings and brackets, cutting and making good the walls and floors wherever required W.C. pan with ISI marked white solid plastic seat and lid complete as per specification and Engineer In Charge of the Work	**Pan**	**4.00**		
37	Providing and fixing 100 mm sand cast Iron grating for gully trap. complete as per specification and Engineer In Charge of the Work	**Each**	**12.00**		
38	Supplying UNPLASTICISED PVC pipes conforming to IS 16098:2013 with latest amendments ended with integral sockets with ISI mark and conveying to worksite, rolling and lowering into trenches, laying true to line and level and perfect linking at joints, testing and commissioning, including loading and unloading at both destinations and cuts of pipes wherever necessary including jointing of UPVC pipes (with cost of elastomeric sealing rings) and specials (excluding cost of specials) with jointing of approved type, with all labour, lead & lifts, including encasing the pipes alround to a depth of not less than 15 cms. with soft gravel or	**m**	**70.00**		

	selected earth available from the excavation etc. complete and giving necessary hydraulic test to the required pressure as per ISS (contractor will make his own arrangements for procuring water for testing) etc. for: Pipes of SN4, 160mm dia. complete as per specification and Engineer In Charge of the Work				
39	Providing and fixing Chorinated Poly Vinyl Chloride (CPVC) pipes having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes fixing of pipes with clamps at 1.00 m spacing. This includes jointing of pipes and fittings with one step solvent cement, & testing of joints complete as per direction of Engineer In Charge Internal Work. (external work). complete as per specification and Engineer In Charge of the Work	**m**	**120.00**		
40	Providing and fixing brass bib cock of approved quality : 20 mm nominal bore complete as per specification and Engineer In Charge of the Work	**Each**	**8.00**		
41	Constructing brick masonry chamber of internal dimension 600x600mm and depth of 600mm (inner dimensions) with modular bricks of CD 75 in cement mortar 1:6, bed concrete 150mm thick with 1:3:6, plastering 12 mm thick with cement mortar 1:4, CC 1:2:4 coping 75mm thk for fixing CI cover & frame etc. excluding the cost of CI frame and cover.. complete as per specification and Engineer In Charge of the Work	**Each**	**4.00**		
42	Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 marked with cover and suitable locking arrangements, making necessary holes for inlet outlet and over flow	**ltr**	**2000.00**		

	pipes, but without fittings and base support of tank complete as per specification and Engineer In Charge of the Work				
43	Providing and laying water proofing treatment to the Roof with PU based single component elastomeric pure polyurethane based coating on New terrace/Chajjas/Sunken portion of WC:Bathroom, cold applied PU waterproofing membrane that is highly elastic with elongation greater than 400% and tensile strength greater than 2MPa as per ASTM D412. The waterproofing membrane to be applied in 2coats @ 1.6kg per m2 to achieve final DFT (dry film thickness) of 1mm including prime coat of epoxy primer @150 g per m2 and protection with 120gsm Geo-textile over the waterproofing membrane. The finished cost to include surface preparation, making coving at Junction, Bore Packing, treatment of construction joints completely as per specification & with a 10 years warranty on product & work from certified manufacturers as per the direction of the Engineer In charge.	**Sqm**	**76.05**		
44	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box **6Module** complete as per specification and Engineer In Charge of the Work	**each**	**22.00**		
45	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.**6A One Way Switch** complete as per specification and Engineer In	**each**	**92.00**		

	Charge of the Work				
46	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.**6A Three Way socket** complete as per specification and Engineer In Charge of the Work	**each**	**24.00**		
47	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.**Stepped Fan Regulator Two Module** complete as per specification and Engineer In Charge of the Work	**each**	**8.00**		
48	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5mm2 (Phase & Neutral) & 1x1.0 mm2 (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.. **Short point upto 3m from tapping point to out let via switch box** complete as per specification and Engineer In Charge of the Work	**Point**	**10.00**		
49	supplying and wiring adopting loop system in existing PVC conduit / casing capping using 1100 v grade , copper conductor flexible multistrand FRLS PVC insulated, 2 x1.5sq.mm cable confirming to the GTP, without switch, the other end of the wires shall be terminated with sufficient loose length in a wood /PVC cound block. complete for each outlet. **Medium Poiint above 3 mts upto 6 mts. from tapping Point to out let via switch** complete as per specification and Engineer In Charge of the Work	**Point**	**12.00**		

50	supplying and wiring adopting loop system in existing PVC conduit / casing capping using 1100 v grade , copper conductor flexible multistrand FRLS PVC insulated, 2 x1.5sq.mm cable confirming to the GTP, without switch, the other end of the wires shall be terminated with sufficient loose length in a wood /PVC cound block. complete for each outlet. **Long point above 6Mtr up to 10Mtr from tapping point to out let via switch box** complete as per specification and Engineer In Charge of the Work	**Point**	**20.00**		
51	supplying and wiring adopting loop system in existing PVC conduit / casing capping using 1100 v grade , copper conductor flexible multistrand FRLS PVC insulated, 2 x1.5sq.mm cable confirming to the GTP, without switch, the other end of the wires shall be terminated with sufficient loose length in a wood /PVC cound block. complete for each outlet. **Two Out let in a row above 3 mts upto 6 mts. from tapping Point to out let via switch** complete as per specification and Engineer In Charge of the Work	**Point**	**10.00**		
52	Supplying and fixing metal Fan box with Round Hook. complete as per specification and Engineer In Charge of the Work	**each**	**8.00**		
53	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments **1 mm2** complete as per specification and Engineer In Charge of the Work	**m**	**180.00**		
54	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper	**m**	**180.00**		

	wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments **1.5 mm2** complete as per specification and Engineer In Charge of the Work				
55	Extra for supplying 4mm th white plastic plate and covering for junction boxes of sizes ... mm conduit using necessary machine screws. 80mm complete as per specification and Engineer In Charge of the Work	**No**	**30.00**		
56	Extra for supplying 4mm th white plastic plate and covering for junction boxes of sizes ... mm conduit using necessary machine screws. 110mm complete as per specification and Engineer In Charge of the Work	**No**	**30.00**		
57	Supplying and fixing/replaccing of 6/16/32 Amps electrical acessories on existing switch board Group-A 6 Amps Bakelite Ceiling Rose complete as per specification and Engineer In Charge of the Work	**No**	**10.00**		
58	Supplying and fixing/replaccing of 6/16/32 Amps electrical acessories on existing switch board Group-A 6 Amps Lamp Holder complete as per specification and Engineer In Charge of the Work	**No**	**15.00**		
59	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mountin using required clamps, bolts, nuts with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting. Made out of 14 SWG M.S enclosure. **Single Door 4 Way SP & N** complete as per specification and Engineer In Charge of the Work	**each**	**7.00**		
60	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C'	**each**	**7.00**		

	Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 **6-32Amps SP** complete as per specification and Engineer In Charge of the Work				
61	Supplying, fixing and wiring eaarth Earth Leakage Miniature Circuit Breaker [ELMCB] 240/250V upto 300mA sensitivity on existing wood/panel board. **16-25Amps 2Pole** complete as per specification and Engineer In Charge of the Work	**each**	**7.00**		
62	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mountin using required clamps, bolts, nuts with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting. Made out of 14 SWG M.S enclosure. Double door **6 Way TP & N** complete as per specification and Engineer In Charge of the Work	**each**	**6.00**		
63	Supplying and fixing regular MCB distribution boards on wall/wood board/flush mountin using required clamps, bolts, nuts with provision for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting. Made out of 14 SWG M.S enclosure. Double door **12 Way TP & N** complete as per specification and Engineer In Charge of the Work	**each**	**2.00**		
64	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898	**each**	**8.00**		

	6-32Amps DP complete as per specification and Engineer In Charge of the Work				
65	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 **6-32 Amps TPN** complete as per specification and Engineer In Charge of the Work	**each**	**5.00**		
66	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898 **50-63 Amps TPN** complete as per specification and Engineer In Charge of the Work	**each**	**1.00**		
67	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished with approved colour etc., complete. 16SWG complete as per specification and Engineer In Charge of the Work	**Sqcm**	**57984.00**		
68	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then	**mtr**	**14.72**		

	two coats of approved paint. 40x40x6mm complete as per specification and Engineer In Charge of the Work				
69	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit in Thermal Magnetic Release. Micro processor release shall have EarthFault as per IS-13947. (Icu=100% Ics). In 4P MCCB, all Poles should have protection for Short-Cicrcuit/Over Load. For Microprocessor MCCBS Facility for segregating Priority and Non-Priority loads must be available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism. 100 A 25 kA complete as per specification and Engineer In Charge of the Work	**Each**	**3.00**		
70	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit in Thermal Magnetic Release. Micro processor release shall have Earth Fault as per IS-13947. (Icu=100% Ics). In 4P MCCB, all Poles should have protection for Short-Cicrcuit/Over Load. For Microprocessor MCCBS Facility for segregating Priority and Non-Priority loads must be	**Each**	**1.00**		

	available in the MCCB. MCCB shall be provided with double insulation (insulation between front cover and internal power circuits to avoid any accidental contact with live current carrying path with the front cover open). Multi-pole breakers shall be designed to break all the poles simultaneously and they shall have a single mechanism. 125 A 25 kA complete as per specification and Engineer In Charge of the Work				
71	Supplying and fixing of Shunt trip suitable for MCCB.CBCT. complete as per specification and Engineer In Charge of the Work	**Each**	**1.00**		
72	Supplying of multi function digital meter with three line back light LCD type display for voltage, Current, frequency, Power, power factor, KVA, KWH, KVAR suitable for 3 phase, 4 wire LT network with IP 54 degree of protection and completely wired as required with communication Port and Class 0.5s accuracy. complete as per specification and Engineer In Charge of the Work	**each**	**1.00**		
73	Supplying, fixing and wiring 50/5 to 400/5Amps 5VA burden Current Transformer. Class 0.5 accuracy with Tape Wound complete as per specification and Engineer In Charge of the Work	**each**	**3.00**		
74	Supplying, fixing and wiring earth leakage relay with core balanced current transformer suitable for single phase 50 Hz AC with latest microcontroller based, digital readout of percentage leakage current, programmable delay/auto/ manual reset facility suitable to mount on DIN rail/ flush mounting on panel board. complete as per specification and Engineer In Charge of the Work	**each**	**1.00**		
75	Supplying ..... amps rated 3phase with neutral bus bar using	**mtr**	**4.00**		

	required capacity electrolytic aluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic/FRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete. 100Amps 4x30x6mm Aluminium Strips complete as per specification and Engineer In Charge of the Work				
76	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C complete as per specification and Engineer In Charge of the Work	**each**	**3.00**		
77	Supplying of .....feet -PVC Batten with integrated LED tube .... W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V@ 50/60Hz & Power factor >0.9 along with CE approved. 2 years Warranty against any manufacturing defect working under standard electrical condition. **LED light fitting 1 x 4' - 20/22 W** complete as per specification and Engineer In Charge of the Work	**each**	**28.00**		
78	Fixing all types and all capacities of fluorescent /false ceiling / spot light / CFL / LED fittings indoor on the wall/ ceiling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos of round blocks and clA. **On wall/ ceiling / Rafter / Girders** complete as per specification and Engineer In Charge of the Work	**each**	**28.00**		
79	Supplying capacitor type ceiling fan complete with down rod	**each**	**8.00**		

	blades, shackle, canopies etc, for operation on 230 V, 50 cycles. Single phase AC supply conforming to ISS-374- 1979 and with double ball bearing system. **48" Sweep (1200 mm) Regular model** complete as per specification and Engineer In Charge of the Work				
80	Fixing a ceiling / Wall mounting fan of all capacities and all types to the existing 'S'' hook with fan regulator to the existing board together with supplying and fixing 5 A. ceiling rose, necessary length of 23 / 0.0076 inch PVC insulated twin twisted copper wire and wiring. complete as per specification and Engineer In Charge of the Work	**each**	**8.00**		
81	1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part- 1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-397535 Sqmm, 3.5 Core, (14 GI Strips - 4 x 0.8 mm) complete as per specification and Engineer In Charge of the Work	**km**	**0.08**		
82	1.1 kV, XLPE or Heat resistant PVC insulated, PVC exutruted Inner Seath Armoured LTUG Cable as per IS-1554 (Part- 1) or IS-7098 Part-1, Armouring strip thickness and resistivity as per IS-397535 Sqmm, 95 Sqmm, 3.5 Core, (21 GI Strips - 4 x 0.8 mm) complete as per specification and Engineer In Charge of the Work	**km**	**0.15**		
83	Dismantling of Flexible pavements and disposal of dismantled materials and stacking serviceable and unserviceable materials separately By Manual Means Bituminous course complete as per specification and Engineer In Charge of the Work	**Cum**	**1.20**		
84	Refilling available earth around	**Cum**	**4.80**		

	trenches/pipelines, cables in layers not exceeding 20 cms in depth, compacting each deposited layer by ramming after watering with a lead upto 50 m , and lift upto 1.5 m. Including cost of all labour complete as per specification and Engineer In Charge of the Work				
85	GI Grounding pipe, B - Class, 42 mm dia, 2.5 Mtr long, 3.2 mm thick with bolt, nut, GI Strips and washer complete Minimum Weight of GI Pipe: 7.3 Kg complete as per specification and Engineer In Charge of the Work	**Nos**	**4.00**		
86	Good Quality well burnt Charcoal for grounding purposes packed in non returnable gunny bag of 30 Kg each	**Nos**	**4.00**		
87	Good Quality Salt for grounding purposes packed in 50 Kg gunny bag	**Bags**	**4.00**		
88	Digging of Pit for providing GI Pipe type Earthing 1.6.2) Hard Soil	**No of pits**	**4.00**		
89	Chest press(Area- 4' 6"x 3' Height-7') the chest press is a heavy gauge steel made out of 100mm NB MS pipe .the substructure consist of 25mm NBMS pipes and heavy duty bushes pivoted to one end and moveable up down in other .the seats are made out of pressed FRP,self weighted machine built to Supports its vigirous work out for up to two people .The chest press supports and promotes strength to the chest ,arms ,shoulders and Back the exercise can be done in repetitions by incresing time gradually which helps in building stamina Maintainance free self greased SKF Ball barings the whole equipment is powder coated . complete as per specification and Engineer In Charge of the Work	**each**	**3.00**		
90	AIR WALKER(Moon walker) (Area	**each**	**3.00**		

	4'x3' Height -4') This equipment is made up of 100mm NB Heavy gauge pipes . the foot step are made up of alluminium castings this healps in strenthening and toning the legs experiment with various speeds and different levels of intensity can be done Maintainance free self greased SKF Ball barings the whole equipment is powder coated complete as per specification and Engineer In Charge of the Work				
91	Bicycle (Exercise Cycle) (Area - 4'x3' , Height- 4') This is a stationary cycle made up of Central pillar 100mm pipes The seat is mage up of FRP.Thisequipment gives the benefits of Cycling and inproves blood flow to the legs Maintainance free self greased SKF Ball barings the whole equipment is powder coated . complete as per specification and Engineer In Charge of the Work	**each**	**3.00**		
92	Standing Rotation (Area-6'x3' ,Height - 4'6"): Providing and fixing standing rotation made up of 100mm NBMS pipe the sub structure consists of 32mm NBMS Pipes and heavy duty self Greased SKF bearing and Bushesprovided to ensure smooth plate rotation,the standing plates are made up of pressed sheet matel of heave gauge it benches in stretching the internal and external oblique s and adding emphasis on the Abdominals and extensor muscles of the spine ,the above equipment is duly powder coated. complete as per specification and Engineer In Charge of the Work	**each**	**2.00**		
93	TAI CHI SPINNERS (Area 5'x5' ,Height -4') The Tai-chi spinners are made up of 100mm NB MS pipe .the substructure	**each**	**2.00**		

	consists of 25 and 20mm NB MS pipe and heavy dutyself greased SKF bearings and bushes provided to ensure smooth wheel rotation .they have four large rotary wheels with adjustable resistance .the two seats of wheels can be turned in either directions by a user on each side . the exescise provides full flexibality and co-ordination to the shoulder ,arms and wrists .The thi-chi spinners can be installted at a variety of heights making it perfest for all ages .THE ABOVE EQUIPMENT IS POWDER COATED. complete as per specification and Engineer In Charge of the Work				
94	SPINNERS (Fun steering) (Area - 2'6"x2'6",Height- 4'6")This equipmet is made up of central 100mm pillar .it gives cardiovascular benefits ,promots strengthning the arms and provide blood circulation shoulders and wrists .Maintainance free self greased SKF Ball barings the whole equipment is powder coated complete as per specification and Engineer In Charge of the Work	**each**	**2.00**		
95	Pull Down Challenger (Shoulder Press) (Area-41/2' X 3', Height-7'): All tubular steel of 2.5mm thickness are galvanized and zinc dipped. all welded joints are scalloped as neccessary and welded. all welds are dressed off removing all sharp edges and burrs. rubber: high quality grip rubber is used for the handles. bearings: Maintenance-free self greased SKF ball bearings scope of machinery: 1 completely pre assembeled equipment modules. this equipment is powder coated. complete as per specification and Engineer In Charge of the Work	**each**	**2.00**		
96	Double health walker (Hand Puller)	**each**	**2.00**		

	(Area-51/2' X 3 1/2', Height-5 1/2') : This equipment is made up of central 100mm pillars. The first steps are made up of Aluminium castings. Two people can exercise on equipmentin a back and forth motion. Experiments with varies speed and different levels of intensity can be done. it gives cardiovascular benifits promotes strengthening the biceps, hips and lower back. maintenance-free self greased SKF ball bearings. this equipment is powder coated complete as per specification and Engineer In Charge of the Work				
97	Squat pushing (Leg Press) Area-3'X4', Height-7' Supply and fixing of HD Squat pushing metal: all tubular steel of 2.5mm thickness are galvanised and zinc dipped all welded joints are scalloped as necessary and welded. All welds are dressed off removing all sharp edges and burrs. All metal parts are powder coated using marpol powder to the thickness of 80-120 microns. rubber: high quality grip rubber is used for the handles. Bearings: maintenance free self greased SKF ball bearings scope of delivery: 1 Completely pre-assembeled equipment modules. the equipment is dully powder coated. complete as per specification and Engineer In Charge of the Work	**each**	**2.00**		
98	Situp Station (Bench Press) Area-4'X4", height-3') : This equipment is made up of 100mm NB central pillers pipes. This is for exercising and strengthening the back and abdominal muscles maintenance free greased SKF ball bearings. This equipment is powder coated.	**each**	**2.00**		
99	Providing, fabricating and fixing Special Multiply Systems consists of FRP moulded with Aluminium chequered Platforms of size 5'x5 ft	**each**	**1.00**		

	with 4 Support pillar made out of 75 mm dia G.I. "B" Pipes fixed in cement concrete 1:2:4. The platforms are to be covered with pyramid shaped FRP roof. The platform is to be with tubular Slide & Mini Aquva tunnel slide made up of high quality FRP the slide is to fixed at a height of 11 ft and runs runs for a length of not less than twenty ft. and the slide should be supported at regular intervals of 6ft using M.S. pipes support and the platform ladder with 25mm dia MS pipes with suitable hand rails and steps made out of GI sheet with tred 4" with powder coated finish, fine quality FRP with suitable design and as per drawing Moulded FRP slides are non-corrosive, fade free, tough grade, durable hard and should prevent UV light. The work should be executed as per the standard specifications and directions of the engineer in charge of the with all lead and lift, loading and unloading and any incidental charges required for the successful completion of the work. (All FRP items are gel water finish or stoving paint in ovens) and as per the drawing and specification and direction of the Engineer in charge of the work.				
100	Providing, fabricating and fixing Special Multiply special Slider Systems consisting of the platform with 25mm dia MS Pipe & Aluminium chquered plates of size 3' x3 ft & 7ft height from ground level with 4 legs made out of 65mm diA G I Pipes fixed cement concrete 1:2:4. The platform is to be fitted with FRP wave slide, Spiral Slide and standard slide with certical ladder on one side each with G I sheet steps of traed 4" 25mm dia MS Pipes with suitable	**each**	**1.00**		

	hand rails fixed at a height of 5 ft and runs for a length of not less tham 12ft. The Platform are to be cover with Pyramid shaped FRP roof, the slide should be supported at regular intervals of 4 ft using M S Pipes support powder coated fine quality FRP with suitable design as per the drawing and specification and direction of the Engineer in charge of the work				
101	Providing and fixing MINI MULTI PLAY SYSTEM consisting of LDPE Tube Slide of 7 ft. sliding length and 26" dia and LDPE crawl tube of 5 ft. crawling length, a chain ladder, fireman pole and tow numbers of 3ft. x 3ft. platforms made of 65mm NB. MS pipes and base 1.5mm thick aluminium chequred plate. All pipes are ISI grade. All the pipes are painted with two coats of super set paint over a coat of protective Zinc chromate yellow oxide including fixing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift, loading, unloading and any other incidental charges and as per the drawing and specification and direction of the Engineer in charge of the work..	**each**	**1.00**		
102	Providing Children Play Two Seater Standard Swing Equipment: This swing consist of 2 Nos. seats of solid metal seats powder coated of size- 500mm x 250mm x 16 SWG supported by MS chains of Length 1.8mtrs, each seat is suspended by 1 chain. The chains are supported by circular housings with bearing from which the chain in suspended. The main beam is of 50mm MS 'A' class pipe. Size of MS chain 30mm x 20mm x 5mm thick, the length of the main beam is 2.40 mtrs and height 2.00 mtrs. The 2 Nos of cost iron-heads. Four footing are in 42mm pipes. All	**each**	**1.00**		

	pipes are ISI grade. All the pipes are painted with two coats of super set paint over a coat of protective Zinc chromate yellow oxide including fixing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift, loading, unloading and any other incidental charges and as per the drawing and specification and direction of Engineer in charge of the work.				
103	Providing Children Play Standard See Saw Seater Equipment: This equipment is made up of main beam 50mm MS pipe 'A' class of length 1.98 mtr.-With two handles welded at the ends as a hand are made of 20mm 'A' class pipe. The main beam is pivoted to the bottom supports of 40mm MS pipes by bush bearing clamped by pivot joints which swivel over 28mm Dia steel shaft, which gets installed in the ground by means of concrete, 2 nos. seats are made of 250mm x 200mm x 18 SWG MS-sheets with T hand rest at the front. Air pipes are of ISI grade. All the pipes are painted with two coats of super set paint over a coat of protective Zinc chromate yellow oxide including fixing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift, loading, unloading and any other incidental charges and as per the drawing and specification and direction of the Engineer in charge of the work	**each**	**1.00**		
104	Providing Children Play Standard Duck Wheel Equipment: This is a macro revolver made up of an 4feet diameter platform with 1.5mm thick Aluminium chequered plate supported well at the bottom. There is a 100mm dia MS pipe at the centre with two Nos of ball bearings, 2Nos LDPE ducks	**each**	**1.00**		

	and 1 No. of plastic sheet flat seats. all supported to vertical pillars of size 25mm NB pipes. The top rings are in 25mm pipe apd bottom circular rings are of 32mm NB pipes. All pipes are of ISI grade. All the pipes are painted with two coats of super set paint over a coat of protective Zinc chromate yellow oxide including fixing the play equipments in CC 1:2:4, curing etc., complete with all lead, lift, loading, unloading and any other incidental charges and as per the drawing and specification and direction of the Engineer in charge of the work..				

Note:

(1) Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of Quantities (refer: ITB Clause 11.2 and CC Clause 37.2).

(2) Unit rates and prices shall be quoted by the Tenderer in Indian Rupees.

(3) Where there is a discrepancy between the rate in figures and words, the lower of the two will govern. [ITT Clause 24.1(a)]

(4) Where there is a discrepancy between the unit rate and the line item total resulting from multiplying the unit rate by quantity, the unit rate quoted shall govern [ITT Clause 24.1 (b)]

(5) GST will be paid separately to the Tendered Amount Except Data rate

SECTION 10: FORMAT OF BANK GUARANTEE FOR SECURITY DEPOSIT

To: ..... *[name of Employer]*
..... *[address of Employer]*

WHEREAS ..... *[name and address of Contractor]* (hereinafter called "the Contractor") has undertaken, in pursuance of Contract No. ..... dated : ..... to execute .....*[name of Contract and brief description of Works]* (hereinafter called "the Contract");

AND WHEREAS it has been stipulated by you in the said Contract that the Contractor shall furnish you with a Bank Guarantee by a recognized bank for the sum specified therein as security for compliance with his obligations in accordance with the Contract;

AND WHEREAS we have agreed to give the Contractor such a Bank Guarantee;

NOW THEREFORE we hereby affirm that we are the Guarantor and responsible to you, on behalf of the Contractor, up to a total of Rs. ..... *[amount of guarantee]* [33]_Rupees..... *[in words]*, and we undertake to pay you, upon your first written demand and without cavil or argument, any sum or sums within the limits of ..... *[amount of guarantee]*[34] as aforesaid without your needing to prove or to show grounds or reasons for your demand for the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the Contractor before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the Contract or of the Works to be performed there under or of any of the Contract documents which may be made between you and the Contractor shall in any way release us from any liability under this guarantee, and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until 30 days from the date of expiry of the Defects Liability Period.

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[33] An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract

[34] An amount shall be inserted by the Guarantor, representing the percentage of the Contract Price specified in the Contract

Signature and seal of the guarantor _____
Name of Bank _____
Address _____
Date _____

28 days